



# THE OFFICIAL ORGAN OF THE B.B.C.

Vol. 1. No. 4.

[Registered at the  
G.P.O. as a Newspaper.]

EVERY FRIDAY.

Two Pence.

## OFFICIAL PROGRAMMES OF THE BRITISH BROADCASTING COMPANY.

For the Week Commencing  
**SUNDAY, OCTOBER 21st.**

LONDON	CARDIFF
ABERDEEN	GLASGOW
BIRMINGHAM	MANCHESTER
BOURNEMOUTH	NEWCASTLE

### SPECIAL CONTENTS:

**THE FUTURE OF BROADCASTING.**  
By Lord Gainford.

**SOME WIRELESS REMINISCENCES.**  
By F. P. Eckersley, Chief Engineer of the B.B.C.

**MY ASSAULT OF MOUNT EVEREST.**  
By Brig.-Gen. C. B. Bruce.

**INSECTS AND THE WORLD'S COTTON.**  
By Prof. H. M. LeRoy, F.Z.S.

**THE CHILDREN'S CORNER.**  
Conducted by Uncle Caractacus.

**WIRELESS HUMOUR.**

**LETTERS FROM LISTENERS.**

## WHAT'S IN THE AIR?

By J. C. W. REITH, General Manager of the B.B.C.

THE "great broadcasting controversy," with all the unfortunate and even disastrous results attendant on uncertainty and confusion, is by now a matter of the past.

Lost ground is not easily recovered, but it is to be hoped that with the new regulations made plain, with licences suitable for everybody, and with better financial prospects for the service, good days may be ahead, and the past soon forgotten.

Elsewhere in this issue Lord Gainford gives the Company's views on the Agreement made with the Postmaster-General. The B.B.C. in particular and British manufacturers of wireless apparatus in general have reason to be grateful to B.M. Postmaster-General for the sympathetic and careful consideration which he gave to the views put before him subsequent to the presentation of the Report.

We are looking forward to having the Postmaster-General talk whenever he has views of interest to communicate. I believe he realizes as much as anyone the exceptional facilities which broadcasting affords, particularly since the development of the simultaneous transmission.

The *Radio Times* seems to be fulfilling the function for which it was created. Interesting and gratifying letters have come in from all over the country. I expect by this time listeners have all been able to secure copies. Some harrowing recitals reached us of pilgrimages round various cities by those who had not taken the precaution of ordering copies in advance. One letter from a North of England town was to this effect: "I am writing to pass severe criticism on the B.B.C. You should have sent at least 14,000 more copies of *The Radio Times* to us."

I had rather an interesting letter from the editor of a well-known and popular wireless periodical. I shall call him Andrew Smith. "My dear Mr. Reith,—Writing as Andrew Smith, a private individual, let me offer you my cordial congratulations on the issue of your first number of *The Radio Times*. Yours very sincerely, Andrew Smith."



THE POSTMASTER-GENERAL,  
SIR L. WORTHINGTON-EVANS.  
*Photo: Elliott and Fry.*

Now what did he mean by that? I hope there really isn't more in it than meets the eye! The letter was highly appreciated, particularly coming from an authority.

The day Sir Thomas Lipton broadcast from Glasgow, we nearly had an accident—an advertising accident. Sir Thomas had been asked to pose for his photograph before the microphone. He struck an attitude, declaiming: "If you want the best tea" (click—the operator had discovered that the microphone was in circuit!).

Viscount Barnham's speech at Bournemouth was anticipated with particular interest, he being the chairman of the Newspaper Proprietors' Association. There was an idea in the minds of some people that the Press was hostile to broadcasting. In view of the great assistance which the Press has given us, I do not think such a supposition could reasonably be held. Their reception of the new Agreement with the Postmaster-General was most friendly.

(Continued Overleaf in column 3.)



# When We See by Wireless.

## An Inventor's Prophecy of the Future.

THE transmission of sound by wireless, only a few years ago a scientist's dream, is now an everyday fact.

An even more marvellous thing will soon be possible. Not only shall we hear the performers, but they will be visible. While now we can hear "The Meistersingers" being performed at Covent Garden Theatre, with "television" we shall see as well as hear the singers. The theatre will be brought to one's own home visibly as well as audibly.

Mr. Jones will be able to sit comfortably in his own parlour on Derby Day and watch his favourite rousing home—last!

No more special trains for the Cup Tie need be run! The match will be watched by the various supporters in the television apparatus.

### How It Will Be Done.

Other possible developments spring to the mind. Mrs. Suburban ringing up her hubby at the office would be able to see as well as to hear, and various awkward situations at once suggest themselves! In the near future, someone will have to invent a "televisionproof" apparatus, or privacy will be unknown!

And how does it work?

Wireless telephony is now so common that most people have at least a general idea as to how it operates, and the best way of explaining "television" may be to compare it with telephony.

In wireless telephony the singer's or speaker's voice causes a thin diaphragm to vibrate. The vibrations of this diaphragm cause vibrations

in an electrical resistance connected to it. This again causes an electrical current flowing through the resistance to vary in unison with the sound waves. This current is used to send out waves of electrical energy varying proportionately in intensity.

At the receiving station the process is more or less reversed. No actual sound passes between the sender and the receiver but waves of electrical energy. The sound is turned into electrical energy at the sending end and back again into sound at the receiving end.

### Light Instead of Sound.

In "television" the same principle is employed with light instead of with sound.

By means of a lens an image of the scene transmitted is obtained. A plate passing in front of this image allows light from every point of the picture to fall in succession upon a light sensitive cell. By this means the intensity of the current flowing through the cells is varied proportionately to the light and shade of each point of the picture. This fluctuating current is transformed into fluctuating electrical waves.

At the receiving station these waves are transformed back again to a fluctuating current, which supplies a source of illumination which fluctuates proportionately. This light is distributed and cast on a screen in such a way as to reproduce the image which is at the sending end.

The whole subject is still in its infancy; but a good start has been made, and it is not too much to prophesy that within ten years "television" will be as far advanced as wireless telephony is to-day.

# From a Humorist's Aerial.

## Transmitted by "Short Circuit."

A variable field of force: Europe.

An accumulator: M. Mussolini. All that he now needs to complete his circuit is the "earth."

The civilian population has determined to resist any further demands of France, which proves once again that the "ohm" is the unit of resistance.

"Wherever one now goes in London one sees hawkers selling million-mark notes for three-pence." A combination of high frequency and low currency.

### OUR SUPPLEMENTARY PROGRAMME—SOME DAY.

P.M. LONDON.

7.0.—MR. JOSEPH BECKETT, Basso-Profundo: (a) "O lovely Night!"; (b) "Slumber Song" (with harp and bells); (c) "Good-bye."

7.30.—MR. GEORGES CARPENTIER: Songs, (a) "With a fa la la fa la la"; (b) "The Mocking-Bird"; (c) "It is Enough" (Mendelssohn).

8.0.—MR. H. H. ASQUITH: Sentimental Ballads, (a) "We've Got no Work to Do"; (b) "We're Here To-day and Gone To-morrow"; (c) "Some Day You Will Miss Me."

NEW YORK.

7.30.—FAVLOVA: Song, "The Call of Gold."

7.45.—MR. D. LLOYD GEORGE: Songs, (a) "Land of Hope and Glory" (accompanied by the big drum and trumpet); (b) "Hast thou been to Mecca?"; (c) "Romance." As an encore, he will give a picturesque talk

on "Poetry," under the heads of (a) Sunsets; (b) Mountain-tops; (c) Railway Tunnels.

8.45.—PAPYRUS: Songs, (a) "A Life on the Ocean Wave"; (b) "As Good as Zeyher I Was"; (c) "Dear Old Albion's Shores."

9.15.—THE KU KLUX KLAN—CHORAL NUMBER: As this is probably unknown to most of our readers, we include the words of the chorus in this number:—

Do you want to swat a man, but feel you lack a plan?

Just get in touch with the Ku Klux Klan.

A simple prepaid cable,

And in twinkling of an eye,

As swift as Cain nailed Abel

He'll be harping in the sky!

We're swift, select, and certain

At ringing down the curtain,

At feathers, tar, or cracking pipes

To propagate our mission.

Ku — — Klan

Ku Klux Klan!

The U.S.A. can't foot it with the Ku Klux Klan!

10.0.—GRAND CHORUS OF THE U.S.A. ELECTORATE: "Drink to Me Only With Thine Eyes."

PARIS.

8.0.—M. PRÉSCARÉ: Humorous Song: (a) "Give Me the Moon"; (b) "I am Monarch of all I Survey"; (c) "No More I'll go a-Rome 'rag"; (d) "I Sometimes Think."

ROME.

8.0.—M. MUSSOLINI: Talk on Engineering Subject: "War-Engines and the Use and Abuse of 'Grease.'"

## What's in the Air?

(Continued from the previous page.)

and if any doubts remained Lord Burnham's remarks should have dispelled them.

Bournemouth was the last of the eight stations which we were under contract to erect. Views differ on the relay-station question, but it seems likely that we shall be officially invited by the Post Office to put up two or three more. Quite a number of places seem eager to be selected, and a new form of intervic jealousy has appeared.

Sheffield is out for an official opening for their station, and quite an affair is being planned for early November. That the station has been in operation for some weeks is no deterrent. The function is, I gather, to take place in a large hall where the broadcasting of an address or two is to alternate with the reception in the hall of special items from other stations, these, of course, being also transmitted to the Sheffield area.

The educational possibilities of wireless have been in view for some time, and recently the first meeting of a committee formed to investigate and recommend on this matter was held. On it are representatives of education authorities, directors of education and elementary and secondary school teachers.

When the music of Pavlova's wonderful new ballets was broadcast not a few people were inspired to go and see that poetry of motion which the orchestra could not reproduce.

"She moved like silence swathed in light,

Lake mists at morning clear;

A music that ennumered sight,

I'd did elude the ear."

The speeches at the dinner given in honour of the Overseas Premiers on October 2nd are fresh in my memory as I write. It was splendid to hear the enthusiastic reception of each Premier as he rose to speak, and the bursts of applause which greeted every fresh patriotic sentiment. The Duke of Connaught gave the first toast, "His Majesty the King" and the microphone faithfully recorded the scraping of chairs as the company rose to honour their Sovereign. Listeners throughout the country must have thrilled to this with the same patriotic enthusiasm as those actually present.

The other day I noticed a room piled high with documents. Investigating further, I discovered that these were all photographs or sketches submitted for competition in our "Brighter Britain" holiday contest. I lingered a moment over these really excellent photos, and some I saw—children's pictures especially—were very charming.

Our Chief Engineer is a born humorist—a wag. He cannot help being spontaneous and irrepressible. There is something "waggish" about his expression. So I am inclined to think that his forthcoming broadcast lecture on "How the Wheels go Round" will be funny as well as informative.

I think I have several times inveighed against the unfriendly Editor who wrings these notes from my reluctant pen, so I won't say anything more about him; but I await with uncommon personal interest Mr. Max Pemberton's address on the "Romance of Journalism." Romance, farsooth!



# Looking Backward! Some Wireless Reminiscences.

By P. P. ECKERSLEY, Chief Engineer of the B.B.C.

ALL the very best people write reminiscences and, although I have not yet grown into the "sere and yellow," still I can claim, as amateur and professional, to have had about sixteen years' wireless experience of one sort and another.

I thought—wisely, I hope—that you might be interested to hear about one or two of the amusing experiences I have met with at one time and another.

At the age of fourteen (there is no photograph, thank you! I always think the greatness of great men is so dimmed by pictures of them as a pink baby or a velvet-clothed, well-washed boy) I had made up my mind either to be a poet or an engine-driver.

But I arrived back from school to find my brother winding a big one-inch former of ebonite with thirty-six silk-covered wire of a lush green colour. My career was fixed!

## Wireless Allurements.

I know my case is common. Who among mechanically and romantically-minded people can resist the allure of green fine silk-covered wire and lacquered brass and sparks? If the allure of green and ebonite was not enough in those days there were always sparks—great fat, juicy ones, rattling between bed-post knobs.

Strange how great a part the bed plays in wireless! Was not the spring mattress brought to fame as an aerial for Paris in the old days? Is it not now a welcome relief from those rotten programmes? (All right, Programme Staff! Don't you go criticising my loud speakers!)

The spark and the amateur have now long parted company, but instead—how beautiful is the little lamp! There is no doubt about it: as a hobby wireless is the most fascinating pastime. It is clean, easily housed (always assuming a fairly docile wife) and it gives results.

So, as a boy I was drawn by these same allurements that to-day are so diversely worshipped by schoolboy and greybeard, by father, mother, son and daughter alike, till Faraday, Hertz, and Maxwell must turn in their graves at the howlers made!

It would have been amusing for the modern amateur versed in grid leak multiple cascade throw back (P.P.E. No. 6593) to have seen my brother and myself eagerly trying to get signals between transmitter and receiver across a tennis lawn, the spark easily audible 500 yards away—and failing to do it!

## The Wireless Widow.

Those days passed, and the next thrill was given by the crystal which enabled one actually to hear distant signals!

Paris! What a boon Paris was, and what competition to receive it on something that no one else had used!

The jargon of those days was "Oh! I got Paris on a clothes-line the other day. True, the clothes had just been hung out to dry—the line, like the waves, was damped."

What did I use? A pyrophanite hermit-stalite crystal with 0.732 volts positive. Like

quack doctors each and every enthusiastic amateur had his own wondrous brand of crystal which he wrapped up at night in a jewel case and took to bed with him.

It was then that "The Wireless Widow" began first to be heard of; signals were stronger at night.

## A Pathetic Story.

I remember my brother telling me a pathetic story of receiving Paris in Egypt on a crystal. Night after night he listened, tapped, calculated again and again, even applying Nazimova's (or is it Nakota's) constant; but not a dot, not a scratch, only the silence of the desert, mysterious, deep, profound, with that queer exotic Eastern flavour that sends the circulation of the novels up by thousands.

Then, of course, he found he was listening at

fact, I don't think anyone will challenge my statement that it made radio telephony a practical possibility.

In those days one used mostly the "Round" soft valve; exactly the same principle as we use to-day, but with much more gas present inside the glass container. The gas helped one to get results from one valve that one would be proud to get with two or three modern tubes. The trouble was to get just the right amount of gas.

There was a little gasometer provided in the "pip" of every valve and by warming the pip with a match some gas could be released. Happy days!

A distant signal H2, a general left ventro watching the demonstration eager to see what the aeroplane was sending. The signal's dying!

A furious search for matches! And the debate within one's soul whether to get a louder signal and kadas or burn one's fingers, lose one's temper and possibly one's "temporary" on probation without rank" to be allowed to wear stripes as honorary corporal continuation.

## Mistaken Identity.

Truly those soft valves were lovely affairs, "uncertain, coy, and hard to please," but I think even now amateurs would find them wonderfully economical. But don't blame me if you do use them—I warned you!

I think I can fairly lay claim to have heard and been concerned in a good deal of radio telephony work for the Services, and I have had one or two amusing experiences.

Speech quality then, as now, was a difficulty, and one used to have a boy laboriously spouting something out of the newspaper while one "juggled."

I had a boy, a little terror, and a microphone which I was overloading by 100 per cent., and which consequently packed unless shaken. The boy one day was half a mile away. I was doing duplex and he was reading. He paused and then came "Wuff wuff wuff wuff wuff wuff wuff wuff," or noises to that effect.

My reply: "Shake the microphone, you silly idiot! Shake it! How many times must I tell you?"

Reply: "Swish, swish, swish," as the microphone was shaken, and then the voice of stern authority: "This is Colonel—speaking." . . . One had one's little troubles.

## An Aeroplans Comedy.

There was a beautiful case, too, of the optimist in an aeroplane where the receiver had gone so dud that intelligible reception was impossible. He tried to bluff the Important Person on the ground that he was receiving quite nicely. The conversation that ensued as between the Important Person asking the fellow in the air his name, and the man "in the air" describing flying conditions on the off chance was extraordinarily funny.

In spite of the fact that I am a jaded professional, there is something so wonderful in the subject of wireless that I can read and listen to wireless talk daily and nightly without tiring.



"Listening."

"I ain't spoke to my missus for months now."

"How's that?"

"Well, I don't want to interrupt."

12 p.m., or whatever it was, sidereal time, not Paris mean or European average or British standard!

Then he got it.

The valve crept into life silently in hectic days before Germany thought fit to make war, and the greatest invention of our century was introduced to me personally under the best auspices by my friend and late colleague Major Prince amid the bustle of the Brooklands Flying School, where potential wireless equipment officers were trained.

The valve changed the whole wireless situation and telephony, among other marvels, became a practical possibility. The arc had, before the valve, helped inventors to the achievement of carrying the voice from point to point without the aid of wires, but it was the valve that made the whole process so much more feasible; in



## Voting Competition.

# £21 CASH EVERY WEEK FOR LISTENERS

NO ENTRANCE FEE.

PRIZES OF £2, £1, and 10s. WILL BE AWARDED TO "LISTENERS" OF EACH BROADCASTING STATION.

### HOW TO WIN.

Write the names of your Broadcasting Station on the Coupon below, and then fill in the six items from the programme for the week ending Saturday, October 27th, which you consider best, placing them in their order of merit. Add your name and address and post to "Wireless" Competition No. 4, "Radio Times," 12, Southampton Street, Strand, W.C.2. Put the name of your Broadcasting Station in top left-hand corner of the envelope.

Entries must reach us not later than Tuesday, October 30th.

The order of merit will be determined upon the votes for first place, and the prizes will be awarded to the Competitors who place, on one Coupon, the greatest number of items in their correct positions as decided by the voting.

### RULES.

- 1.—Competitors may send in as many attempts as they wish, but a separate Coupon must be used for each one.
- 2.—The Editor reserves the right to disqualify any Competitor for reasons which he considers good and sufficient, and the Editor's decision with regard to all questions relating to the Competition will be absolutely final and legally binding. Competitors can only enter on this distinct understanding.
- 3.—The Editor will not be responsible for any Coupon lost, delayed, or mislaid. Proof of posting will not be accepted as proof of delivery or receipt.
- 4.—Letters must not be enclosed with Coupons and no correspondence can be entered into in connection with this Competition.

The result of this Competition will appear in *The Radio Times*.

(4)

### COUPON.

Station \_\_\_\_\_

I consider the most popular six items broadcast from the above station during the week ending Saturday, October 27th, as follows:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_

I agree to abide by the Editor's decision as final and binding.

Name \_\_\_\_\_

Address \_\_\_\_\_

## "Balancing" a Wireless Orchestra.

How the Instruments are arranged for Wireless.

By L. STANTON JEFFERIES (Musical Director of the B.B.C.)

It was not until I had to balance a string quartette over the wireless that I found that the task was much more difficult than I imagined.

It may be of interest if I give an outline of the methods on which we work to obtain a good balance, whether it be an artist singing, or an orchestra playing.

We fail sometimes, I know, and we rectify at the earliest possible moment, but I think you will agree that these accidents occur seldom. The terms that I employ may amuse a technical man like Mr. Eckmley, but will be more easily understood by the layman.

Some voices broadcast well, others are apt to "blast." The effect of blasting is that a buzzing sound is heard in the 'phones or loud speaker.

Imagine a glass completely filled with water, two more drops of water added, and the water overflows. The transmitting set is the glass, the water represents the sound about to be broadcast. Blasting is not necessarily the result of quantity of sound, but is often owing to the quality or timbre of the voice or instrument.

The type of voice that is best for broadcasting can be found only by experience. It is only by constant co-operation between our technical people that one can obtain the best results, and it is mainly due to a series of experiments carried out together in the very early days of broadcasting that we have arrived at the more or less cut-and-dried plan on which we now work.

### Singer and Pianist.

At one time it was difficult to balance even a voice and piano so that the voice or the piano was not predominant. With our present microphones and arrangement of artists and piano, both can be heard without detriment to the other. Nowadays, the singer is standing near the piano, as in a concert hall, with the microphone at the other end of the room.

When arranging an orchestra in the studio, the instruments having specially piercing qualities, such as the trumpet, trombones, flutes, piccolos and oboes, are placed well to the rear; those having low vibrations—such as drums, double bass, bassoon—are nearer to the microphone.

Owing to the stringent tone of the oboe as compared to the clarinet, the latter is given priority of place. The French horn, being of a more mellow character than the trombone, are nearer.

The actual position of a player before the microphone often depends upon the tone-quality that he produces. One does not realize until experiments have been carried out the difference of intensity between, say, one oboe player and another, and we often find it necessary, when we have a newcomer to the orchestra, to move his position accordingly. This is done during the progress of transmission.

### Perfection by Experiment.

When a singer performs with orchestra the artist is generally placed on a level with the cello. This position, of course, depends upon the type of song that is being sung, and the intensity of the artist's voice. Here again one can only get perfection by experiment.

If a piano concerto is being played, then

things have to be reorganized. The piano is brought more to the fore and instruments are grouped accordingly.



THE ARRANGEMENT OF THE ORCHESTRA.

## Manchester's Sixth Symphony Concert.

On Wednesday, October 24th, Manchester is broadcasting a Symphony Concert which will be received by London. At 7.30 the augmented ZY Orchestra, conducted by Dan Godfrey, junr., A.R.A.M., will play Grieg's overture, "Autumn." This is the only overture that Grieg ever wrote. It is quite an early work, being marked "Opus II."

At 7.45 Elgar's "Enigma Variations" will be played. Finished in 1899, the only clue to the meaning of these variations lies in the words: "Dedicated to my friends pictured within." The enigma is two-fold. There is no theme—only an imaginary melody which never occurs. The variations themselves complete the enigma. Each one bears the initials or some distinguishing mark of one of Elgar's friends, whose personality is reproduced in musical terms.

At 8.10 will be given Beethoven's "Concerto for Piano and Orchestra, No. 1, in C Major" (Solo Piano, Mr. Edward Innes).

At 8.40 Rimsky-Korsakov's beautiful Ballet Symphonique, "Scheherazade." Mr. T. H. Morrison, who is responsible for the important violin part in this work, was the original soloist when the ballet was first produced at Covent Garden.

All the foregoing will be broadcast for the first time.

### NEWCASTLE TO FINLAND.

The wireless operator of *r.s. Havenside*, writing a short time ago, reports that the programme broadcast by the Newcastle Station of the British Broadcasting Company was received while the ship was lying in her berth in the harbour, Fredrikshamn, Finland. Glasgow and London could be heard also, but not so plainly as Newcastle. I may add that this reception is not freak work, as I can get Newcastle plainly any night.

The distance in direct line from Newcastle to Fredrikshamn is 987 miles.



## Broadcasting Symphonies.

A Talk by PERCY A. SCHOLES.

THE biggest musical events of the past week are two connected with broadcasting.

The first is the issue of the Postmaster-General's Report, and the second the broadcasting, from all six stations simultaneously, of a fine Symphony Concert Programme.

Both these events are of tremendous importance. I gather that in one way or another the general effect of the new official regulations will be still further to popularize broadcasting. And I do not believe that any of us as yet realize what the popularization of broadcasting means to music.

### The Introduction of Broadcasting.

It seems to me to be comparable with the invention of printing. Less than 500 years ago the Classics, the Holy Scriptures, the Legends, and the Poetry of Europe existed only in manuscript, and could be studied only by the tiny class of literate men. There were no novels and no newspapers. Ideas were preached from the pulpits, and news passed from mouth to mouth.

Then came the invention of printing. A great extension of education naturally followed, and nowadays the whole of the world's literature is open to anyone who cares to read it.

To a large extent the gramophone has, perhaps, already done for music what the invention of printing did for literature. But broadcasting will do even more, for it makes fine musical performance easier to come by—and dirt cheap.

### Raising Public Taste.

There must be some who live on the outskirts of London, and who find the labour and expense of getting into the concert halls too great to be often undertaken. There must be others who live in small provincial towns, where a full orchestra is never heard, very rarely a string quartet or a fine singer, and decidedly never an opera performance. And there must be still others living in remote country places where absolutely no music whatever is to be heard. I congratulate all these people upon the enormous extension of their pleasures that has already brought them about by the British Broadcasting Company.

Up to the present, the great music of the world has been the private preserve of a little band of people who happened to live in the places where it could be heard, and who happened to have enough money to pay to hear it. Henceforth, it belongs to everybody. This means an immense widening of public interest in music, and, I believe, a great raising of public taste.

### A Word to the "Highbrows."

I sometimes hear "highbrow" musicians complain of the programmes of the Company. Well, I claim to be as big a highbrow as anyone and I don't complain. I think it is remarkable that in the week's programmes there should be included so much music of the highest class, and I am convinced that as the demand grows for more and more of this fine music the Company will meet it.

Of course, there will always be a need for plenty of good, light music, and that need, too, must be met. But we do want the masterpieces, and I believe we are going to get them.

And the reasons I think these concerts so important is that I feel that they will influence history. In five years' time, in my judgment, the general musical public of these islands will be treble or quadruple its present size. And the next generation, instead of regarding a symphony as a mysterious contrivance of concentrated boredom, will accept the great symphonies of the world as a part of its regular, natural daily and weekly pleasures.

## Insects and the World's Cotton.

A Talk Broadcast from London by Professor H. M. Lefroy, F.Z.S.

THIS is a talk about insects really, and especially about the way insects are going to decide for us, one of our most important questions—what we are all to wear. Most of the people of the world wear cotton—some, particularly in cold climates, wear wool, a few wear silk, a lot wear artificial silk and very few wear linen—which is flax. But by far the cheapest, simplest and most generally used fibre has been cotton.

Cotton is produced as a frizzy coating to the seed of the cotton plant. Nature made the cotton plant to produce seeds in a fruit called "the boll." So that when the seeds were ripe, each seed had round it a white cloud of fibres, which we call "cotton wool," whereby the wind could carry the seed away from the plant to fresh soil. But man grows cotton to use the fibre, which he removes from the seed and spins, making therefrom a continuous thread which he can weave into cloth. So from the cotton wool round the seed of the cotton plant comes the cotton of man's use, and the clothes that the majority of people on this earth wear.

Now, we are all taught that Man is the dominant creation of this earth; and we all know how important to us all are our clothes. But here come insects, which to some people

grown in America at all. An insect called the boll weevil is the factor in that question. It destroys so much of the crop that it is becoming hardly worth while to grow cotton at all.

The boll weevil is a small brown insect, about the size of a dried pea, which came into Mexico from South America, then spread into the United States, and is now established all over the cotton-growing areas.

This little weevil flies and walks among the cotton plants. The female with her long beak eats a hole into the green fruit or "boll" of the cotton plant and then lays an egg in the hole. This egg hatches into a soft white grub, which eats its way further into the boll, so that it can feed on the developing seeds.

### Another Little Terror.

The grub destroys the seeds and also the developing cotton. When the boll opens, instead of there being a large, fluffy mass of cotton, there is only a mass of black and eaten seeds—nothing that can be picked and used. So the cotton grower has to plough his land, sow his seed, keep the land weeded, look after the crop, pay his rates, tithes, taxes, labourers, etc., to find, when his crop is picked, that the boll weevil has taken off a large proportion of it. This proportion has now become so big that the farmers in America will not grow cotton. The boll weevil literally takes up to one-third of the crop, while the grower still has all the expenses of growing the full crop. The production of cotton in America this year is about 12 million bales, but it has become a serious consideration whether the American grower will continue under these circumstances.

Besides America, cotton is also grown in China, Egypt, India, Russia and other countries, to a total of some seven to eight million bales. Can they increase that amount an additional 12 million bales to make up for America? They cannot. For in practically all parts of the world is another insect as voracious as the boll weevil of America. This is known as the pink boll worm; it is a caterpillar hatching from an egg laid by a moth on the boll. The caterpillar, like the boll weevil, also eats the seed of the boll, destroys the fibre and prevents the cotton being formed.

Here we have two small, trifling, insignificant insects holding up one of the world's greatest industries, and destroying something like one-third of the world's crop of cotton—i.e., eight to ten million bales. You will ask why does not humanity deal with the insects? The reasons why insects are not controlled is that the development of insects is better organized than that of man—more successful because Nature runs them and does not run man.

### Arsenic No Solution.

In America they have found one way of poisoning the boll weevil with arsenic. It requires 30 lbs. of this to poison one acre of cotton plants; it costs from forty to fifty shillings an acre to do this; but there are 30,000,000 acres of cotton in America, so that 1,080,000,000 lbs. (over 500,000 tons) of arsenic preparation would be required. But it only pays at present to apply this method on one-fifth of the acreage, as there is not enough arsenic produced in the world to enable them to buy it cheap enough to apply all over. So that this is no solution of the problem. The next ten years will show whether man will control the insect, or whether the insect will devour our cotton and send us to seek substitutes. I think the insect will win!



THE COTTON BOLL WEEVIL.  
The little insect that is causing so much damage to the cotton industry.

are insignificant, but which are far more highly developed than man, and these insects, quite incidentally and without intent to hurt man, merely in pursuit of their own aims and success, are going seriously to affect man in what he wears.

Most people wear cotton; the production in the world of cotton is round about 20 million bales, each of 400 pounds. Of this, America produces 11 millions, India about five, China about two, Egypt one and the rest of the world one.

### A Dreadful Pest.

Now of this cotton, not all can be used for fine spinning. Some cottons have a fibre so short that it will not make fine thread. All cottons really separate into two groups: the cottons over an inch long, which they use in America and Lancashire for making fine cloth, and the shorter cottons less than an inch long, which are spun and woven abroad into coarse cloths or are mixed with other fibres. Mostly, the world wants and uses long cotton, and nearly all this comes from America. America is the largest cotton-producing country in the world, and cotton is the main crop over the whole of the Southern States such as Texas, Louisiana, Carolina, Georgia, Alabama. This cotton is all long cotton, and the Lancashire mills depend almost entirely on its production for their manufactured goods. But it is now a question how much cotton is going to be



# PEOPLE IN THE PROGRAMMES—GOSSIP ABOUT ARTISTES & OTHERS.

## Smart Lads!



MISS ELSIE DOWNING.

**M**ISS ELSIE DOWNING is very popular at Newcastle Station, where her rendering of grand opera is a great treat to listen to. Miss Downing began her career as a soprano vocalist with the Newcastle Operatic Society, and she has appeared in many leading roles in various well-known operas, besides singing on the concert platform.

She relates an amusing remark she once heard at a concert in Lancashire at which she was singing. When she made her appearance, the conductor of the orchestra, as is usual on such occasions, led her to the front of the platform, amidst a storm of applause.

Two Lancashire lads in the audience caused a great deal of laughter by shouting out in tones of awed surprise: "By gum! she must be blind! Look, it's leading 'er on!"

## Was She Nervous?

**M**R. HUGH SPENCER, who is noted for the clarity of his diction when broadcasting, says that he "doesn't remember the time when he didn't sing." Even as a boy he was in great demand, and at a very early age he appeared as "Captain Coreoran" in "H.M.S. Pinafore."

Mr. Spencer is a good raconteur, and he does not mind in the least telling a story against himself.

Once, when he was singing at a big concert in the Midlands, a famous contralto, who had a very good opinion of herself, asked him if he was nervous before his appearance.

"No," replied Mr. Spencer, thinking, no doubt, that the celebrity would admire him for his self-command.

"Oh," she said, turning aside with a shrug, "all true artistes are nervous!"

## What He Wished to Know.



MR. HARRY HOPWELL.

**M**R. HARRY HOPWELL, who broadcasts from Manchester Station, has a particularly fine baritone voice, and is heard to especial advantage in operatic numbers.

In the early days of his career, Mr. Hopewell used to devote a good deal of his spare time to helping to run a big club for boys in a working-class district.

Concerning this club, he tells an amusing anecdote. One night an inquisitive small boy asked him what he did for a living.

"Oh," replied Mr. Hopewell, "I sing."

"Of course, we know you're a bit of a singer," answered the boy, "but don't you do any work?"

## Thoroughly Experienced.

**A**PROPOS the difference of appearing before visible and invisible audiences, Mr. Norman Long, the entertainer, relates a story. An old actor, very much "on the rocks," applied for a part in a cinematograph play.

"Have you had any experience of acting without an audience?" asked the manager.

"Laddie," replied the old actor, mournfully, "it's because I've acted so often without an audience that I've been brought to my present regrettable position."

## From Working Boy to Conductor.

**M**R. TOM CASE, the popular singer at Newcastle Station, has had a very strenuous career. "My father being but a working man with a large family," he says, "I had to leave school at the age of thirteen and take my share in providing for the home." Although he had to work very hard as a boy, Mr. Case devoted what little spare time he had to studying music and to perfecting his education generally.

Eventually, the demands of music became so persistent that Mr. Case decided to devote his life to it, and at the present time he has risen to be conductor of the Central Hall Choir, Manchester. Besides his work in this connection, he has gained great popularity as a concert artiste, being especially well known in Lancashire, Yorkshire, Cheshire, and Staffordshire. He is also a pianist of no mean ability.

Mr. Case is esteemed in the North as a music teacher, many of his pupils having gained distinction through his tuition.

## A Witty Peer.



Lord Curzon.  
(Photo: A. H. Rogers.)

**A**MONG the important features of next week will be a speech by Lord Curzon of Kedleston on Abraham Lincoln, broadcast from the Savoy Hotel. He is a man of amazingly varied interests, and wireless is among them.

To his intimate friends, Lord Curzon is noted for his wit. In his early days, as plain Mr. Curzon, he was travelling in Korea, when the Minister for Foreign Affairs of that not over-civilized country was mightily impressed with him.

"Of course, you are related to the Queen of England?" asked the Minister, in a matter-of-fact tone.

"No," replied Lord Curzon; but, seeing the look of disappointment on the old gentleman's face, he hastened to add, suavely: "but I am as yet an unmarried man!"

The Minister's confidence was at once restored.

## His Reason.

**L**ORD CURZON is celebrated for his commanding personality, and the story goes that he was once discussing the Middle Ages with a former British Prime Minister.

"I suppose," said Lord Curzon, "that you would have liked to have lived in those far-off golden days?"

"No, I shouldn't," was the reply.

"Why not?"

"Because," said the Prime Minister, "if I had been born in the Middle Ages, I should not have been your leader—I should have been your serf!"

## The Answer.

**S**ONGS sung by Mr. Glanville Davies are always popular at Cardiff.

"I would rather be able to sing well than be Prime Minister of England," Mr. Davies has been known to say, and his friends do not doubt his sincerity.

Apart from his gifts as a vocalist, Mr. Davies is a story-teller of the after-dinner variety—

"The immigrant, landing in England for the first time, made ready to fill up the usual form. The first question, with a blank space against it, was: 'Born: . . .'"

"A long pause for reflection over this knotty point; then he wrote simply 'Yes.'"

## The Ship Bowled Too.



MISS TINA MACINTYRE.

**M**ISS TINA MACINTYRE, who broadcasts for Glasgow, has appeared in many of the Gilbert and Sullivan operas, and she has also made a great success in the title role in Verdi's "Aida." Her concert work in the provinces is well known, and she is popular, too, in Canada, having sung at Toronto and other leading cities.

Appropos her visit to Canada, Miss Macintyre recalls a funny, albeit an embarrassing, experience. An impromptu concert was given on board ship, and Miss Macintyre sang.

When bowing her thanks for a very enthusiastic reception for the song she had been singing, the ship most unfortunately "bowed" also, and sent her careering almost to the other end of the saloon, much to her surprise and to the amusement of her audience.

## General Smuts.

**O**N Tuesday you will notice that London is broadcasting General the Rt. Hon. J. C. Smuts. His speech after a banquet of the S.A. Luncheon Club at the Savoy Hotel is expected to be very interesting. General Smuts was created a Companion of Honour in 1917 towards the end of the war. He is, of course, Prime Minister of the Union of South Africa.

## Fingers Instead of Eyes.

**T**O-NIGHT'S lecture on "Borneo" will be a testimony to modern science, for you are going to hear a man you can't see who will be reading his manuscript with fingers instead of eyes. The Rev. Father Jackson is blind, and will read from a Braille copy.

## Her Opinion.



MR. ALEX. MOLISON.

**M**R. ALEX. MOLISON, the well-known baritone, who broadcasts from Glasgow, has a fund of good stories that he is fond of telling.

On one occasion he was appointed leading baritone of a local parish church choir, and on his first Sunday there was a very heavy programme.

Mr. Molison had two solos to sing, and after the service he was naturally anxious to learn how he had pleased.

On coming out of the church, he heard a conversation between the minister and an old lady who had been among the audience.

"What did you think of our new singer?" asked the minister.

"Oh, splendid!" replied the old lady. "In fact, I think a much inferior man would do us, if we just knew where to find one!"

## Slightly Mixed.

**A** BRIDE'S mother once asked me to sing her dear daughter's favourite song, "All Joy be Thine," says Mr. Molison. "This was to be after the wedding breakfast, and the rector, who was acting as chairman, was advised of the fact. He, being somewhat deaf, did not quite catch the name of the song, so you may imagine how the bride looked when he slowly said: 'We shall now have a song, All Days be Thine, by request of the dear bride's mother.'"



# WIRELESS PROGRAMME—SUNDAY (Oct. 21st.)

The letters "S.B." printed in italics in these Programmes signify a Simultaneous Broadcast from the station mentioned.

## LONDON.

3.0.—EDWIN LEMARE RECITAL by the REPRODUCTION ORGAN at STEINWAY HALL, LONDON, S.B. from all Stations. THE ORGAN: Prelude and Fugue in G major, No. 2 (C. Saint-Saens). Siegfried Idyl (Wagner, arr. Lemare). Grand Fantasy for Organ in F minor (Mozart, arr. Lemare). MISS CATHERINE AULSEBROOK, Contralto: MISS ADELA HAMATON, Solo Pianoforte: MR. WILLIAM ANDERSON, Bass (British National Opera Company), "Droop Not, Young Lover" (Handel), "O Huddler than the Cherry" (Handel). THE ORGAN: ORIGINAL COMPOSITIONS BY LEMARE, as played by the Composer. MISS CATHERINE AULSEBROOK, Contralto: MISS ADELA HAMATON, Solo Pianoforte: MR. WILLIAM ANDERSON, Bass: "Myself When Young" (Lisa Lehmann), "Hatfield Bells" (Eleanore Martin). THE ORGAN.

5.0.—CLOSE DOWN.

ANNOUNCER: E. A. WRIGHT.

## SUNDAY EVENING.

8.30.—TRAFALGAR DAY PROGRAMME.—LONDON WIRELESS ORCHESTRA, Conducted by MR. L. STANTON JEFFRIES: Grand March, "Spirit of Pageantry" (Fletcher); Overture, "Britannia" (Mackenzie); Folk Tune and Fiddle Dance (Fletcher). MR. WILLIAM MICHAEL, Baritone, of the British National Opera Company: "It is Enough" ("Elijah") (Mendelssohn).

9.0.—THE REV. WILLIAM F. O. T. HAWKES, Rector of Lambeth: Hymn, "Eternal Father, Strong to Save"; "Songs of the Sea" (C. V. Stanford), for Baritone Solo, Chorus and Orchestra. Solo Baritone, MR. WILLIAM MICHAEL (Selected Chorus from British National Opera Company, Covent Garden Chorus). ORCHESTRA: Ballet Music, "La Source" (Debussy).

10.0.—TIME SIGNAL, GENERAL NEWS BULLETIN BROADCAST TO ALL STATIONS, followed by London News and Weather Report.

10.10.—ORCHESTRA.

10.30.—CLOSE DOWN.

ANNOUNCER: A. R. BURROWS.

## BIRMINGHAM.

3.0-5.0.—TRANSMISSION FROM LONDON OF AN ORGAN RECITAL FROM THE STEINWAY HALL. (SEE LONDON PROGRAMME.)

8.30.—STATION ORCHESTRA. REV. C. D. BARRIBALL, of the United Methodist Church, Gravelly Hill, Birmingham. ADDRESS: Hymn, "Eternal Father, Strong to Save" (Ajament and Modern, 540). STATION ORCHESTRA: Symphony, "Surprise" (Haydn).

9.20.—LIEUTENANT ARTHUR E. SPRY, R.N.V.R., Organizing Secretary, British and Foreign Sailors Society: TALK ON LORD NELSON AND THE BATTLE OF TRAFALGAR.

9.35.—STATION ORCHESTRA.

10.0.—GENERAL NEWS BULLETIN BROADCAST FROM LONDON, followed by Midland News, giving Local Weather Report.

10.15.—CLOSE DOWN.

ANNOUNCER: P. EDGAR.

## BOURNEMOUTH.

3.0.—AFTERNOON CONCERT: SIMULTANEOUS TRANSMISSION FROM LONDON OF ORGAN RECITAL IN THE STEINWAY HALL. (SEE LONDON PROGRAMME.)

8.30.—THE BOURNEMOUTH WIRELESS MILITARY BAND (Conductor, CAPTAIN W. S. FEATHERSTONE, M.V.O.): Overture, "Foot and Pansant" (Suppe).

8.40.—RELIGIOUS ADDRESS.

8.55.—MISS LULU BRADSHAW, Contralto: "Eternal Father."

9.0.—MILITARY BAND: "Reminiscences of Tchaikowsky."

9.15.—MISS LULU BRADSHAW, Contralto: (a) "Ombra Mia Fu" (Handel); (b) "Cara Mio ben" (Godeaux).

9.25.—MILITARY BAND: Marche, "Humoresko" (Dvorak); Excerpts from "The Egyptian Ballet" (Luigini).

9.40.—MISS LULU BRADSHAW, Contralto.

9.45.—MILITARY BAND.

10.0.—GENERAL NEWS BULLETIN BROADCAST FROM LONDON, followed by Bournemouth News and Weather Forecast.

10.15.—CLOSE DOWN.

ANNOUNCER: BERTRAM FRYER.

## CARDIFF.

3.0.—TRANSMISSION FROM LONDON OF AN ORGAN RECITAL FROM THE STEINWAY HALL. (SEE LONDON PROGRAMME.)

8.10.—CHOIR OF ST. ANDREW'S CHURCH, CARDIFF: Hymn "Eternal Father" (B. Dykes); Anthem, "Give Peace in Our Time" (Alcott). ADDRESS by REV. A. J. EDWARDS, M.A. (Vicar and Surrogate of St. Andrew's Church, Cardiff). Hymn, "The Day Thou Gavest" (Schaffield).

8.35.—SYMPHONY NIGHT.—SCHUBERT-MENDELSSOHN PROGRAMME. Violist, MISS CICELY FARRAR. Conductor, MR. A. CORBETT-SMITH. INTRODUCTORY CHAT. Overture, "A Midsummer Night's Dream" (Mendelssohn); Songs, (a) "Zuleika" (Mendelssohn), (b) "Mourning Not" (Mendelssohn).

Incidental Music to "A Midsummer Night's Dream" (Mendelssohn): (a) Intermezzo appassionato; (b) Nocturne; (c) Scherzo. SCHUBERT SONGS: (a) "The Linden Tree"; (b) "Cradle Song"; (c) "Flight of Time"; (d) "My Resting Place." SYMPHONY No. 5 IN B MINOR (Unfinished) (Schubert): (a) Allegro moderato; (b) Andante con moto. ARIAS: "But the Lord is Mindful of His Own" ("St. Paul") (Mendelssohn); "O Rest in the Lord" ("Elijah") (Mendelssohn). OVERTURE: "Ray Blas" (Mendelssohn).

10.0.—NEWS BULLETIN BROADCAST FROM LONDON, followed by South Wales News giving Local Weather Forecast.

10.15.—CLOSE DOWN.

ANNOUNCER: A. CORBETT-SMITH.

## MANCHESTER.

3.0-5.0.—TRANSMISSION FROM LONDON OF AN ORGAN RECITAL FROM THE STEINWAY HALL, LONDON. (SEE LONDON PROGRAMME.)

8.30.—"TRAFALGAR DAY." THE AUGMENTED 22Y ORCHESTRA, conducted by PERCY PITT (Director of the British National Opera Company): Overture, "The Magic Flute" (Mozart); "Siegfried Idyl" (Wagner). Songs, HUGH SPENCER, Baritone.

9.0.—ADDRESS by the REV. R. G. PARSONS, of Birch. Hymn, "Eternal Father, Strong to Save."

9.15.—SYMPHONY IN B MINOR (Unfinished) (Schubert); "Rhapsody Espana" (Chabrier). Songs, HUGH SPENCER, Baritone.

10.0.—OVERTURE: "The Mastersingers of Nuremberg" (Wagner).

10.15.—CLOSE DOWN.

ANNOUNCER: VICTOR SMYTHE.

## NEWCASTLE.

3.0-5.0.—TRANSMISSION FROM LONDON OF AN ORGAN RECITAL FROM THE STEINWAY HALL, LONDON. (SEE LONDON PROGRAMME.)

8.30.—MR. HERBERT JENNINGS, Cello Solo.

8.40.—MADAME MAY GRANT, Contralto: Hymn, "Sun of My Soul."

8.45.—TALK: REV. DAVID PYFFE (Newcastle).

9.0.—MADAME MAY GRANT, Contralto: Hymn, "Eternal Father." MR. HAROLD JENNINGS' TRIO. MR. HUGH JENNINGS, Violin Solo: "Allegro Brillante" (William Ivis Hare). MR. HERBERT JENNINGS, Cello Solo: "Softly Awaken My Heart" (Saint-Saens). MADAME MAY GRANT, Contralto. MR. HAROLD JENNINGS' TRIO. MR. HERBERT JENNINGS, Cello Solo.

10.0.—GENERAL NEWS BULLETIN BROADCAST FROM LONDON, followed by Newcastle News giving Local Weather Report.

10.15.—CLOSE DOWN.

ANNOUNCER: E. L. ODHAMS.

## WAVE-LENGTHS AND CALL SIGNS.

LONDON (2LO)	-	369 Metres
ABERDEEN (2BD)	-	360 "
BIRMINGHAM (5IT)	-	360 "
BOURNEMOUTH (6BM)	-	410 "
CARDIFF (5WA)	-	353 "
GLASGOW (5SC)	-	415 "
MANCHESTER (2ZY)	-	385 "
NEWCASTLE (5NO)	-	400 "



## Has it happened to you ?

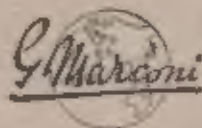
Have you ever had the mortifying experience, when you have bidden friends to listen-in, of getting poor reception for no apparent reason ?

Have you known what it is to suffer the polite commiseration of your guests, and the heavy-handed sarcasm of your own flesh-and-blood ?

Then get a Receiving-set on whose performance you can rely. Get the Marconiphone, the wonderful instrument in which, because it must be worthy of the great name it bears, are summed up all the vast resources, the brilliant inventiveness, of the Marconi Company.

# The Marconiphone

*The Triumph of the Master Mind*



Ask your dealer for full particulars of the various Marconiphone models.  
In case of difficulty apply to—

**MARCONI'S WIRELESS TELEGRAPH Co., Ltd.**  
**Marconiphone Dept., Marconi House, Strand, W.C.2**

2, Ludgate Hill, BIRMINGHAM, Principality Buildings, Queen Street, CARDIFF, 41,  
St. Vincent Place, GLASGOW, 10, Cumberland Street, Deansgate, MANCHESTER,  
38, Northumberland Street, NEWCASTLE-ON-TYNE.



# WIRELESS PROGRAMME—MONDAY (Oct. 22nd.)

## LONDON.

- 11.30—12.20.—MORNING CONCERT: MISS MAUD BELL, Solo Cello.
- 5.0.—WOMEN'S HOUR. Ariel's Society Gossip. MRS. C. S. PEEL'S Kitchen Conversation.
- 5.30.—CHILDREN'S STORIES: "Sabo and the Spiders," by E. W. Lewis. "Jack Hardy," Chapter VI., Part II., by Herbert Strang.
- 6.15—7.0.—INTERVAL.
- 7.0.—TIME SIGNAL. FIRST GENERAL NEWS BULLETIN BROADCAST TO ALL STATIONS.
- 7.10.—OUR WEEKLY BOOK TALK by MR. JOHN STRACHEY, the B.B.C. Literary Critic. Broadcast to all stations. London News and Weather Report.
- 7.30.—WAGNER EVENING (BROADCAST SIMULTANEOUSLY.)  
THE AUGMENTED LONDON WIRELESS ORCHESTRA, MR. AYLMER BUEST, Conductor to British National Opera Company, MR. ROBERT PARKER, Bass; MISS MAY BLYTH, Soprano; MR. JOHN PERRY, Tenor, of the British National Opera Company.  
ORCHESTRA: Overture, "Rienzi" (Wagner). MR. JOHN PERRY: "Lohengrin's Narration" (Wagner). ORCHESTRA: Siegfried's Journey to the Rhine ("The Twilight of the Gods") (Wagner). MISS MAY BLYTH: Senta's Ballad from "The Flying Dutchman" (Wagner). ORCHESTRA: Overture, "The Flying Dutchman" (Wagner). MR. ROBERT PARKER: Wotan's Farewell and the First Music ("The Valkyries") (Wagner). ORCHESTRA: Prelude to Act III, "Lohengrin" (Wagner). MISS MAY BLYTH: Elizabeth's Greeting, from "Tannhauser" (Wagner). ORCHESTRA: "The Ride of the Valkyries" ("The Valkyries") (Wagner).
- 9.10.—"BUTTERFLIES AND MOTHS," by CAPTAIN N. D. RILEY, of the Natural History Museum.
- 9.30.—TIME SIGNAL. SECOND GENERAL NEWS BULLETIN BROADCAST TO ALL STATIONS, followed by London News and Weather Report.  
MISS MAY BLYTH and MR. JOHN PERRY: Duet between Elizabeth and Tannhauser ("Tannhauser") (Wagner). ORCHESTRA: "Forest Murmurs" (Siegfried) (Wagner). MR. JOHN PERRY: Forging Songs from "Siegfried" (Wagner). ORCHESTRA: Overture, "Tannhauser" (Wagner).
- 10.30.—CLOSE DOWN.  
ANNOUNCER: K. A. WRIGHT.

## BIRMINGHAM.

- 3.30—4.30.—MR. JOSEPH LEWIS, Musical Director of the Birmingham Broadcasting Station, will give a PLAYER-PIANO RECITAL of Sonatas by Beethoven.
- 3.30.—LADIES' CORNER. (a) Ariel's Society Gossip. (b) MRS. C. S. PEEL'S Domestic Conversation.
- 5.0.—KIDDIES' CORNER. (a) "Sabo and the Spiders," by E. W. Lewis. (b) "Jack Hardy," Chapter VI., Part I., by Herbert Strang.
- 6.45.—BOYS' LIFE BRIGADE AND BOYS' BRIGADE NOTES.

- 7.0.—FIRST GENERAL NEWS BULLETIN BROADCAST FROM LONDON.
- 7.10.—WEEKLY LITERARY CRITICISM by MR. JOHN STRACHEY, B.B.C. Literary Critic. S.B. from London.
- 7.25.—BIRMINGHAM NEWS AND WEATHER FORECAST.
- 7.30.—TRANSMISSION FROM LONDON OF A "WAGNER EVENING." S.B. from London. (SEE LONDON PROGRAMME.)
- 9.30.—SECOND GENERAL NEWS BULLETIN BROADCAST FROM LONDON.
- 9.45.—CONTINUATION OF THE "WAGNER EVENING FROM LONDON." S.B. from London. (SEE LONDON PROGRAMME.)
- 10.30.—CLOSE DOWN.  
ANNOUNCER: JOSEPH LEWIS.

## BOURNEMOUTH.

- 3.45.—AFTERNOON CONCERT: REPRODUCING PIANO. Vocalist: MME. NADIA POLTAVA, Soprano.
- 4.45.—WOMEN'S TRANSMISSION: (a) Ariel's Society Gossip. (b) MRS. C. S. PEEL'S Conversation.
- 5.15.—CHILDREN'S TRANSMISSION: (a) "Sabo and the Spiders," by E. W. Lewis. (b) "Jack Hardy," Chapter VI., Part I., by Herbert Strang.
- 6.0.—BOYS' BRIGADE AND BOYS' LIFE BRIGADE BULLETINS.
- 6.15.—SCHOLARS' HALF HOUR.
- 7.0.—FIRST GENERAL NEWS BULLETIN FROM LONDON.
- 7.10.—WEEKLY LITERARY CRITICISM by MR. JOHN STRACHEY, B.B.C. Literary Critic. S.B. from London.
- 7.25.—BOURNEMOUTH NEWS AND WEATHER REPORT.
- 7.30.—TRANSMISSION FROM LONDON OF A "WAGNER EVENING." S.B. from London. (SEE LONDON PROGRAMME.)
- 9.30.—SECOND GENERAL NEWS BULLETIN BROADCAST FROM LONDON.
- 9.45.—CONTINUATION OF WAGNER EVENING. S.B. from London. (SEE LONDON PROGRAMME.)
- 10.30.—CLOSE DOWN.  
ANNOUNCER: BERTRAM FRYER.

## CARDIFF.

- 3.30—4.30.—FALKMAN AND HIS ORCHESTRA at the Capital Cinema.
- 5.0.—WOMEN'S HOUR: (a) Ariel's Society Gossip; (b) MRS. C. S. PEEL'S Conversation.
- 5.30.—WEATHER FORECAST. CHILDREN'S STORIES: (a) Sabo and the Spiders, by E. W. Lewis; (b) Jack Hardy, Chap. VI., Pt. I., by Herbert Strang.
- 7.0.—FIRST GENERAL NEWS BULLETIN BROADCAST FROM LONDON.
- 7.10.—WEEKLY LITERARY CRITICISM, by MR. JOHN STRACHEY (B.B.C. Literary Critic). S.B. from London.
- 7.25.—CARDIFF NEWS AND WEATHER FORECAST.
- 7.30.—TRANSMISSION FROM LONDON OF A WAGNER EVENING. (SEE LONDON PROGRAMME.)
- 9.30.—SECOND GENERAL NEWS BULLETIN BROADCAST FROM LONDON.
- 9.45.—CONTINUATION OF WAGNER

- EVENING. S.B. from London. (SEE LONDON PROGRAMME.)
- 10.30.—CLOSE DOWN.  
ANNOUNCER: L. B. PAGE.

## MANCHESTER.

- 3.30—4.30.—AFTERNOON CONCERT by the "ZY" TRIO and DORIS KLOET, Soprano.
- 5.0.—MAINLY FEMININE: (a) Ariel's Society Gossip; (b) MRS. C. S. PEEL'S Conversation.
- 5.25.—FARMERS' WEATHER REPORT.
- 5.30.—CHILDREN'S HOUR: Sabo and the Spider, by E. W. Lewis; (b) Jack Hardy, Chap. VI., Pt. I., by Herbert Strang.
- 6.30.—BOYS' BRIGADE AND BOYS' LIFE BRIGADE BULLETINS.
- 6.45.—SPANISH TALK, by MR. W. F. BLETCHER, Examiner in Spanish to the Union of Lancashire and Cheshire Institutes.
- 7.0.—FIRST GENERAL NEWS BULLETIN FROM LONDON.
- 7.10.—WEEKLY LITERARY CRITICISM, by MR. JOHN STRACHEY (B.B.C. Literary Critic). S.B. from London. MANCHESTER NEWS AND WEATHER FORECAST.
- 7.20.—TRANSMISSION FROM LONDON OF A WAGNER EVENING. S.B. from London. (SEE LONDON PROGRAMME.)
- 9.30.—SECOND GENERAL NEWS BULLETIN FROM LONDON.
- 9.45.—CONTINUATION OF WAGNER CONCERT FROM LONDON. S.B. from London. (SEE LONDON PROGRAMME.)
- 10.30.—MEN'S CLUB. CLOSE DOWN.  
ANNOUNCER: VICTOR SMYTHE.

## NEWCASTLE.

- 3.45.—MISS FLORENCE FARRAR, Pianoforte Solo, "Sonata" (Beethoven). MR. W. A. CROSSE, Clarinet Solo. MISS FLORENCE FARRAR and MR. W. A. CROSSE, Pianoforte Duet: "Sonata No. 10" (Haydn). MR. W. A. CROSSE, Clarinet Solo. MISS FLORENCE FARRAR, Pianoforte Solo. MISS FLORENCE FARRAR and MR. W. A. CROSSE, Pianoforte Solo.
- 4.45.—WOMEN'S TRANSMISSION: (a) Ariel's Society Gossip; (b) MRS. C. S. PEEL'S Domestic Conversation.
- 5.15.—CHILDREN'S TRANSMISSION: (a) Sabo and the Spider, by E. W. Lewis; (b) Jack Hardy, Chap. VI., Pt. I., by Herbert Strang.
- 6.0.—SCHOLARS' HALF HOUR: "Stories of the Nations," by Mr. A. W. Dakers.
- 6.30.—BOYS' BRIGADE NEWS.
- 6.45.—FARMERS' CORNER.
- 7.0.—FIRST GENERAL NEWS BULLETIN FROM LONDON.
- 7.10.—WEEKLY LITERARY CRITICISM, by MR. JOHN STRACHEY (B.B.C. Literary Critic). S.B. from London.
- 7.25.—NEWCASTLE NEWS AND WEATHER FORECAST.
- 7.30.—TRANSMISSION FROM LONDON OF A WAGNER EVENING. S.B. from London. (SEE LONDON PROGRAMME.)
- 9.30.—SECOND GENERAL NEWS BULLETIN BROADCAST FROM LONDON.
- 9.45.—CONTINUATION FROM LONDON OF A WAGNER EVENING. S.B. from London. (SEE LONDON PROGRAMME.)
- 10.30.—CLOSE DOWN.  
ANNOUNCER: R. G. PRATT.





The New  
AMPLION  
TYPE-AR 15

The New

# AMPLION

**Renders all Other Loud Speakers Obsolete.**

By reason of the advanced electro-magnetic system and the improved non-resonating sound conduit with wood trumpet standardized throughout, the 1924 models of the AMPLION now introduced, are "head and shoulders" above other makes.

Yet an AMPLION costs no more although the value is incomparably greater.

The association of a 1924 AMPLION and a suitable Wireless Receiving Set means better reproduction—increased volume with greater clarity and truly musical tone.

New AMPLIONS at popular prices are—

The Junior de Luxe design at	£3 8 6
Curved Horn or "Dragon" pattern	£5 5 0
Swan-neck or "Music Master" style	£8 0 0
The Portable "All Purpose" model	£6 6 0

AMPLION Loud Speakers are standardized by the leading producers of Radio Receiving Sets and stocked by all Wireless Dealers of repute.

The Portable AMPLION is fully detailed in Booklet W.D.A. and Folder W.D.S. describes the AMPLION range for 1924. Prices from £2 2 0.

These catalogues will be forwarded with the greatest pleasure.

*Patentees and Manufacturers:*

**ALFRED GRAHAM & COMPANY**  
(E. A. GRAHAM)

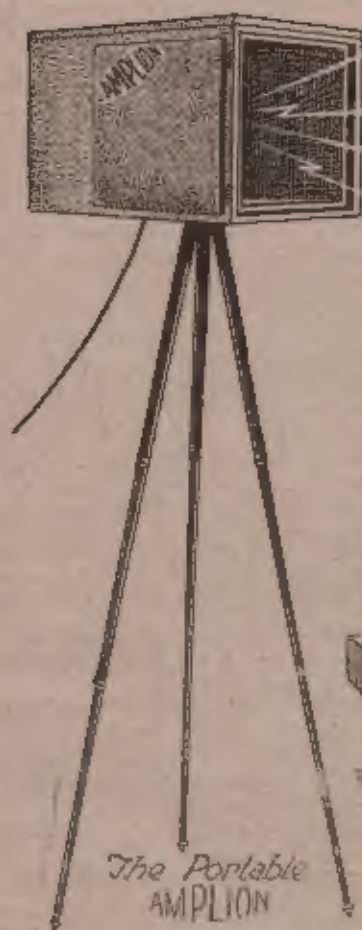
St. Andrew's Works, Crafton Park, London, S.E.4.

Telephone Nos.: Spideham 2826, 1, 2. Telegrams: Numboda, Croydon, London.

*West End Showrooms:*

The Algraphone Salon, 25-26, Savile Row, Regent Street, W.1.  
Telephone: Regent 1075. Telegrams: Sonalagra, Percy, London.

We are exhibiting at the National Association of Radio Manufacturers Exhibition, White City, November 8-11.



The Portable  
AMPLION



**"BUY BRITISH GOODS ONLY."**







YOU  
SEE THAT IT'S  
"POLAR"

WE  
SEE THAT IT'S  
QUALITY

---

BUY BRITISH GOODS ONLY.

We are  
Exhibiting  
at the  
N.A.R.M.  
Exhibition  
White City,  
Nov 8 to 21st.

**RADIO COMMUNICATION CO. LTD.**

Telephone:  
Central 8490 (3 lines)

34-35, Norfolk Street, Strand, London, W.C.2.

Telegrams:  
RADIOCOMCO LTD and London







# ASK YOUR LOCAL RADIO STATION TO BROADCAST THESE "WINNERS"

## VOCAL FOX-TROTS

**When You and I Were Dancing**  
By H. M. TENNENT

**We'll Find a Rendezvous**  
By WILLY ENGEL-BERGER

**Don't Bring Me Posies (It's  
Shoesies that I Need)**  
By FRED ROSE

**La Java (Play Me a Melody)**  
By MAURICE YVAIN

**That Lovely Melody**  
By ARTHUR DONALDSON

**En Douce (Dancing Through  
Life With You)**  
By MAURICE YVAIN

**O-La-La**  
By OSCAR STRAUS

## BALLADS

**Love's First Kiss**  
By DOROTHY FORSTER

**Bring Back That Dreamland**  
By MAX OSSETT

**Life's Roadway**  
By A. EMMETT ADAMS

**Little Dream Lady of Mine**  
By GRACE TORRENS

## FOX-TROTS (Piano)

**Siberia**  
By JEAN LENSEN

**La Violetera**  
By JOSÉ PADILLA

## WALTZ SONGS

**Let All The World Go By**  
By ARCHIBALD JOYCE

**Red Moon**  
By H. de MARTINI & M. KORTLANDER

*SHEET MUSIC 2 - PER COPY OF ALL MUSIC DEALERS,  
or if UNOBTAINABLE SEND 2 - P.O. per copy to:*

**ASCHERBERG, HOPWOOD & CREW, LTD.,**  
16, MORTIMER STREET, LONDON, W.1.



# WIRELESS PROGRAMME—THURSDAY (Oct. 25th.)

- 11.30.—MORNING CONCERT:** MISS ANNE WHEELER, Soprano.
- 12.00.—WOMEN'S HOUR:** (a) Fashion Talk by MISS F. MARIE IMANDT. (b) House-craft, "Save Your Steps," by MISS F. MARIE IMANDT.
- 12.30.—CHILDREN'S TRANSMISSION:** (a) "Soho and the Mouse," by E. W. LEWIS. (b) "The Goose Girl," from "Grimm's Fairy Tales."
- 1.00.—BOY SCOUTS AND GIRL GUIDES NEWS.**
- 1.30.—INTERVAL.**
- 2.00.—FIRST GENERAL NEWS BULLETIN BROADCAST TO ALL STATIONS.**
- 2.10.—"THE WEEK'S MUSIC,"** by MR. PERCY A. SCHOLES, the B.B.C. Music Critic, BROADCAST TO ALL STATIONS.
- 2.15.—BULLETIN OF RADIO SOCIETY OF GREAT BRITAIN BROADCAST TO ALL STATIONS.** London News and Weather Forecast.
- 2.30.—AND OF HIS MAJESTY'S GRENA-DIER GUARDS** (by permission of Col. G. C. Hamilton, C.M.G., D.S.O.), Director of Music, LIEUT. G. MOLLER, L.R.A.M. A Chorus's Overture (Quiter), Piccolo Solo, "Fido des Bois" (Danure), Soloist MUSICIAN E. BOWEN, Preludium, (Jarnefeldt) MR. WILLIAM EAST, Tenor, "Have Smiled" (Dorothy Foster), Soloist.
- 3.00.—SECOND GENERAL NEWS BULLETIN BROADCAST TO ALL STATIONS.** London News and Weather Report.
- 3.10.—BAND OF H.M. GRENA-DIER GUARDS:** A Keltic Suite (Foulds), 1. The Clans; 2. A March; 3. The Call.
- 3.15.—MR. ANTHONY BERTRAM** (Lecturer to the National Portrait Gallery on "Hansard's Portrait").
- 3.30.—FIRST GENERAL NEWS BULLETIN BROADCAST TO ALL STATIONS.** London News and Weather Report.
- 3.40.—BAND OF H.M. GRENA-DIER GUARDS:** Lyric Suite (Four Lyric Pieces, Opus 54) (Grieg), 1. The Shepherd Boy; 2. Norwegian Rustic March; 3. Norwegian; 4. March of the Dwarfs. MR. WILLIAM EAST, Tenor, "Kasamini Song" (Indian Love Lyrics) (Woodford-Finden), "Songs of Araby" (Clay). BAND OF H.M. GRENA-DIER GUARDS: Valse Lyrique (Sibelius); Cornet Solo, "Quand tu chantes" (Gounod); Soloist, MR. WILLIAM E. WEST; Prelude in C sharp minor (Bachmannoff), in response to many requests; Overture, "Fly-mouth Hoe" (Lancet).
- 4.30.—CLOSE DOWN.**
- ANNOUNCER C. A. LEWIS.

## BIRMINGHAM.

- 3.30-4.30.—MR. HAROLD CANEY,** Baritone, of the Station Repertory Company, will give a Song Recital accompanied on the Piano by MR. JOSEPH LEWIS.
- 5.30.—LADIES CORNER:** (a) Fashion Talk by MISS NORA SHANDON. (b) House-craft, "Save Your Steps," by MISS F. MARIE IMANDT.
- 6.00.—CHILDREN'S TRANSMISSION:** (a) "Soho and the Mouse," by E. W. LEWIS. (b) "The Goose Girl," from "Grimm's Fairy Tales."
- 6.15.—BOY SCOUTS AND GIRL GUIDES NEWS.**
- 7.00.—FIRST GENERAL NEWS BULLETIN FROM LONDON.**
- 7.10.—"THE WEEK'S MUSIC,"** by MR. PERCY A. SCHOLES (B.B.C. Musical Critic). S.B. from London.
- 7.15.—BIRMINGHAM NEWS AND WEATHER FORECAST TALK** by the RADIO SOCIETY OF GREAT BRITAIN S.B. from London.
- 7.30.—MESSRS. PITT AND MARKS** in Duets "Tropical and Tropical" (M.S.).
- 7.45.—MR. JOHN HENDRY,** Cellist.

- 8.00.—MR. ERNEST ETHERIDGE,** Task, Saxophone.
- 8.15.—MESSRS. PITT AND MARKS** in Duets up to date (M.S.).
- 8.30.—TRANSMISSION FROM LONDON OF THE BAND OF H.M. GRENA-DIER GUARDS** and a Scene from the Opera "Faust," as played at the Old Vic, London. S.B. from London. (SEE LONDON PROGRAMME.)
- 9.30.—SECOND GENERAL NEWS BULLETIN FROM LONDON,** followed by Midland News giving Local Weather Report.
- 9.45.—CONTINUATION OF THE TRANSMISSION FROM LONDON S.B. from London.** (SEE LONDON PROGRAMME.)
- 10.30.—CLOSE DOWN.**
- ANNOUNCER J. LEWIS.

## LONDON.

- 3.45.—AFTERNOON CONCERT** by MARJORIE SCOON, Soprano, EDWARD HILL, Tenor, and the LONDON SYMPHONY ORCHESTRA.
- 4.15.—WOMEN'S HOUR:** (a) Fashion Talk by MISS F. MARIE IMANDT. (b) House-craft, "Save Your Steps," by MISS F. MARIE IMANDT.
- 4.30.—CHILDREN'S TRANSMISSION:** (a) "Soho and the Mouse," by E. W. LEWIS. (b) "The Goose Girl," from "Grimm's Fairy Tales."
- 4.45.—SCHOLARS' HALF HOUR:** A Short Talk by MISS D. NEILSON on "Tales from the Bible."
- 5.00.—WEEKLY MUSICAL CRITICISM** by MR. PERCY SCHOLES, Music Critic to the B.B.C.
- 5.25.—FIVE MINUTES SIMULTANEOUS BROADCASTING** by the RADIO SOCIETY OF GREAT BRITAIN.
- 5.30.—FIRST GENERAL NEWS BULLETIN BROADCAST FROM LONDON.**
- 5.45.—CONTINUATION OF THE TRANSMISSION FROM LONDON S.B. from London.** (SEE LONDON PROGRAMME.)
- 6.30.—CLOSE DOWN.**
- ANNOUNCER BERTHAM FRYER.

## NEWCASTLE.

- 3.30-4.30.—FAIKMAN AND HIS ORCHESTRA** at the Capitol.
- 5.00.—WOMEN'S HOUR:** (a) Fashion Talk by MISS NORA SHANDON. (b) House-craft, "Save Your Steps," by MISS F. MARIE IMANDT.
- 5.30.—WEATHER FORECAST CHILDREN'S STORIES:** (a) "Soho and the Mouse," by E. W. LEWIS. (b) "The Goose Girl," from "Grimm's Fairy Tales." BOY SCOUTS' AND GIRL GUIDES NEWS.
- 7.00.—FIRST GENERAL NEWS BULLETIN BROADCAST FROM LONDON.**
- 7.10.—WEEKLY MUSICAL CRITICISM** by MR. PERCY SCHOLES, (B.B.C. Musical Critic). S.B. from London.
- 7.25.—TALK** by THE RADIO SOCIETY OF GREAT BRITAIN S.B. from London.
- 7.30.—TRANSMISSION FROM LONDON OF THE BAND OF H.M. GRENA-DIER GUARDS** and a Scene from the Opera "Faust," as played at the Old Vic, London. S.B. from London. (SEE LONDON PROGRAMME.)
- 9.30.—SECOND GENERAL NEWS BULLETIN BROADCAST FROM LONDON.**
- 9.45.—CONTINUATION OF THE TRANSMISSION FROM LONDON S.B. from London.** (SEE LONDON PROGRAMME.)
- 10.30.—CLOSE DOWN.**
- ANNOUNCER A. CORBETT SMITH.

- 11.30-12.30.—MORNING TRANSMISSION** by the "EZY" TRIO and MISS ANNIE FICKLING, Soprano.
- 1.00.—MAINLY FEMINE:** (a) Fashion Talk by MISS NORA SHANDON. (b) House-craft, "Save Your Steps," by MISS F. MARIE IMANDT.
- 1.30.—FACILERS WEATHER REPORT.**
- 2.00.—THE CHILDREN'S HOUR:** (a) "Soho and the Mouse," by E. W. LEWIS. (b) "The Goose Girl," from "Grimm's Fairy Tales."
- 6.20.—CONCERT** by MISS LEAH JACKSON, Soprano, and MR. H. DE V. N. Baritone.
- 6.40.—GIRL GUIDES AND BOY SCOUTS TALK.**
- 6.45.—SPANISH TALK** by Mr. W. F. BLECHER, Examiner in Spanish to the Unions of the Labour and Cheshire Institute.
- 7.00.—FIRST GENERAL NEWS BULLETIN FROM LONDON.**
- 7.10.—WEEKLY MUSICAL CRITICISM** by MR. PERCY SCHOLES (B.B.C. Musical Critic). S.B. from London.
- 7.25.—MANCHESTER NEWS AND WEATHER FORECAST.**
- 7.35.—TALK** by THE RADIO SOCIETY OF GREAT BRITAIN S.B. from London.
- 7.45.—TRANSMISSION FROM LONDON OF THE BAND OF H.M. GRENA-DIER GUARDS** and a Scene from the Opera "Faust," as played at the Old Vic, London. S.B. from London. (SEE LONDON PROGRAMME.)
- 9.30.—SECOND GENERAL NEWS BULLETIN BROADCAST FROM LONDON.**
- 9.45.—CONTINUATION OF THE TRANSMISSION FROM LONDON S.B. from London.** (SEE LONDON PROGRAMME.)
- 10.30.—CLOSE DOWN.**
- ANNOUNCER, S. G. HONEY.

## NEWCASTLE.

- 3.45.—THE LANCING PIANO.** MR. J. POTTRELL, Soprano, MISS RITA ROBINSON, Violin Solo, MR. J. GRIFFITHS, Cello Solo, MISS RITA ROBINSON, Violin Solo.
- 4.45.—WOMEN'S HOUR:** (a) Fashion Talk by MISS NORA SHANDON. (b) House-craft, "Save Your Steps," by MISS F. MARIE IMANDT.
- 5.15.—CHILDREN'S TRANSMISSION:** (a) "Soho and the Mouse," by E. W. LEWIS. (b) "The Goose Girl," from "Grimm's Fairy Tales."
- 6.00.—SCHOLARS' HALF HOUR:** A Short Talk by MISS D. NEILSON on "Tales from the Bible."
- 6.15.—BOY SCOUTS NEWS.**
- 6.30.—FACILERS WEATHER REPORT.**
- 6.40.—A SHORT TALK** ON "DICKENS," by MR. TODD.
- 7.00.—FIRST GENERAL NEWS BULLETIN FROM LONDON.**
- 7.10.—WEEKLY MUSICAL CRITICISM** by MR. PERCY SCHOLES (B.B.C. Musical Critic). S.B. from London.
- 7.25.—NEWCASTLE NEWS AND WEATHER FORECAST.**
- 7.35.—A TALK** by THE RADIO SOCIETY OF GREAT BRITAIN S.B. from London.
- 7.45.—TRANSMISSION FROM LONDON OF THE BAND OF H.M. GRENA-DIER GUARDS** and a Scene from the Opera "Faust," as played at the Old Vic, London. S.B. from London. (SEE LONDON PROGRAMME.)
- 9.30.—SECOND GENERAL NEWS BULLETIN BROADCAST FROM LONDON.**
- 9.45.—CONTINUATION OF THE TRANSMISSION FROM LONDON S.B. from London.** (SEE LONDON PROGRAMME.)
- 10.30.—CLOSE DOWN.**
- ANNOUNCER R. C. PRAIT.

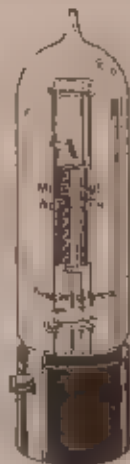


## THE MULLARD WECOVALVE.

\* If you are making or purchasing a valve receiver see that it is fitted with Mullard Weco valves.

† If you possess a valve receiver fit it with Mullard Weco valves.

‡ In either case you will save money.



The Mullard Weco valve will give strong signals without any visible glow of the filament. Careful use in this way will greatly prolong the lives both of valves and batteries.

Write to us for List M W 1 for full particulars.

Price **30/-**

Full Manufacturing License under British Patents Nos. 17580, 123126, 180090

# MULLARD

MULLARD RADIO  
45, Nightingale Lane

Telegrams: Mullardradio, Wandsworth, London.



VALVE COY. LTD  
Bullington, London, S.W. 2

Telephone: Bullington, 10588.

## WIRELESS HEADPHONES



K7 4,000 ohms.

2,000 ohms  
per phone.



K9 2,000 ohms.

Neat, strong and clear. The earbands are adjustable and comfortable to wear.

Cords are included and have tags that can be duplicated to enable any number of 'phones to be connected in series or parallel without the use of terminals. All parts are built to line limit gauges and thoroughly guaranteed.

able any number of 'phones to be connected in series or parallel without the use of terminals. All parts are built to line limit gauges and thoroughly guaranteed.

BRITISH MADE THROUGHOUT.

K7/4,000	-	14/6 per pair (Postage 6d.)
K9/2,000	-	6/- each (Postage 4d.)

Patentees and Manufacturers:

**Turnock's Telephone Works,**  
ASTON, BIRMINGHAM.

(Catalogues)



**"Good-bye, Summer,  
Good-bye, Good-bye."**

**F**ALLING leaf and chilly twilight are here—restoring broadcasting to its niche in the home.

Start the season well—get the very best from the music-laden ether this winter with an **Ericsson** two, three or four valve set. Hear the music of Britain from end to end—the operas and concerts of Europe in unsurpassed purity and volume.

There's an **Ericsson** model to suit every purse and taste—superbly made by craftsmen of a firm with a quarter of a century's experience behind it.

We use the very best materials—Siles Crystal and so on—genuine components etc.

**THE BRITISH L. M. ERICSSON MFG. CO., LTD.**

International Buildings, 67-73 Kingsway, London, W.C. 2

We are exhibiting at the N.R.A.M. Exhibition, White City, Nov. 21st-30th.



Selling Agents

MANCHESTER 19, Bridge Street, Deansgate.  
NOTTINGHAM W. J. Farr & Co., Trefle St.  
BIRMINGHAM 14-15, Snow Hill.  
SCOTLAND 57, Robertson Street, Glasgow.  
N.E. ENGLAND Milburn Ho., Newcastle-on-Tyne.  
COLCHESTER 121, High Street, Ely.

Buy British  
Goods only

**Ericsson**  
WIRELESS  
APPARATUS





### Summary

**BIRMINGHAM.**

### RESEARCH DESIGN AND METHODS

**CARDIFF.**

**MANCHESTER.**

[illegible]

14 MR. W. A. CROSSE'S BLUO ORCHESTRA, MR. E. FLETCHER, Cello Solo. MR. W. A. CROSSE, Clarinet Solo. MR. W. A. CROSSE, Piano-forte Solo. MR. W. A. CROSSE'S BLUO ORCHESTRA MR. E. FLETCHER, Cello Solo.

15.—WOMEN'S TRANSMISSION: (a) Bridge, The Gambling Element, by MISS JANE RAMSAY KERR. (b) Impressions of the Week

16. CHILDREN'S TRANSMISSION STORIES by MRS. LATHAM, UNCLER JIM, CHARLIE, and RICHARD: (a) "William Goes to the Pictures," Part 2, from "Just William," by Richard Cropton, published by Geo. Newnes, Ltd. (b) Monkey Stories.

17. SCHOLARS HALF HOUR A SHORT TALK by MR J ANDERSON on "Scenes in English Literature"

18. NEWS

19. NEWS

20. FIRST GENERAL NEWS BULLETIN FROM LONDON

21. WEEKLY FILM CRITICISM by MR. C. A. ANDERSON BROADCAST 8.15

22. NEWS

23. NEWS, GIVING LOCAL NEWS

24. ELECTRIC SPARKS CONCERT PARTY

25. MR. W. BABBS, Violin Solo

26. MR. W. A. CROSSE, Piano-forte Solo: "Sonata in C Minor" (Mozart).

27. NEWS

28. NEWS

29. NEWS

30. NEWS BULLETIN followed by Newcastle News giving Local Weather Report

31. MR J W BABBS Violin Solo "Cavatina" (Jaff)

32. ELECTRIC SPARKS CONCERT PARTY

33. MR W A CROSSE Piano-forte Solo London Character

34. NEWS BULLETIN

35. NEWS

36. NEWS

37. NEWS

38. NEWS

39. NEWS

40. NEWS

41. NEWS

42. NEWS

43. NEWS

44. NEWS

45. NEWS

46. NEWS

47. NEWS

48. NEWS

49. NEWS

50. NEWS

51. NEWS

52. NEWS

53. NEWS

54. NEWS

55. NEWS

56. NEWS

57. NEWS

58. NEWS

59. NEWS

60. NEWS

61. NEWS

62. NEWS

63. NEWS

64. NEWS

65. NEWS

66. NEWS

67. NEWS

68. NEWS

69. NEWS

70. NEWS

71. NEWS

72. NEWS

73. NEWS

74. NEWS

75. NEWS

76. NEWS

77. NEWS

78. NEWS

79. NEWS

80. NEWS

81. NEWS

82. NEWS

83. NEWS

84. NEWS

85. NEWS

86. NEWS

87. NEWS

88. NEWS

89. NEWS

90. NEWS

91. NEWS

92. NEWS

93. NEWS

94. NEWS

95. NEWS

96. NEWS

97. NEWS

98. NEWS

99. NEWS

100. NEWS

101. NEWS

102. NEWS

103. NEWS

104. NEWS

105. NEWS

106. NEWS

107. NEWS

108. NEWS

109. NEWS

110. NEWS

111. NEWS

112. NEWS

113. NEWS

114. NEWS

115. NEWS

116. NEWS

117. NEWS

118. NEWS

119. NEWS

120. NEWS

121. NEWS

122. NEWS

123. NEWS

124. NEWS

125. NEWS

126. NEWS

127. NEWS

128. NEWS

129. NEWS

130. NEWS

131. NEWS

132. NEWS

133. NEWS

134. NEWS

135. NEWS

136. NEWS

137. NEWS

138. NEWS

139. NEWS

140. NEWS

141. NEWS

142. NEWS

143. NEWS

144. NEWS

145. NEWS

146. NEWS

147. NEWS

148. NEWS

149. NEWS

150. NEWS

151. NEWS

152. NEWS

153. NEWS

154. NEWS

155. NEWS

156. NEWS

157. NEWS

158. NEWS

159. NEWS

160. NEWS

161. NEWS

162. NEWS

163. NEWS

164. NEWS

165. NEWS

166. NEWS

167. NEWS

168. NEWS

169. NEWS

170. NEWS

171. NEWS

172. NEWS

173. NEWS

174. NEWS

175. NEWS

176. NEWS

177. NEWS

178. NEWS

179. NEWS

180. NEWS

181. NEWS

182. NEWS

183. NEWS

184. NEWS

185. NEWS

186. NEWS

187. NEWS

188. NEWS

189. NEWS

190. NEWS

191. NEWS

192. NEWS

193. NEWS

194. NEWS

195. NEWS

196. NEWS

197. NEWS

198. NEWS

199. NEWS

200. NEWS

201. NEWS

202. NEWS

203. NEWS

204. NEWS

205. NEWS

206. NEWS

207. NEWS

208. NEWS

209. NEWS

210. NEWS

211. NEWS

212. NEWS

213. NEWS

214. NEWS

215. NEWS

216. NEWS

217. NEWS

218. NEWS

219. NEWS

220. NEWS

221. NEWS

222. NEWS

223. NEWS

224. NEWS

225. NEWS

226. NEWS

227. NEWS

228. NEWS

229. NEWS

230. NEWS

231. NEWS

232. NEWS

233. NEWS

234. NEWS

235. NEWS

236. NEWS

237. NEWS

238. NEWS

239. NEWS

240. NEWS

241. NEWS

242. NEWS

243. NEWS

244. NEWS

245. NEWS

246. NEWS

247. NEWS

248. NEWS

249. NEWS

250. NEWS

251. NEWS

252. NEWS

253. NEWS

254. NEWS

255. NEWS

256. NEWS

257. NEWS

258. NEWS

259. NEWS

260. NEWS

261. NEWS

262. NEWS

263. NEWS

264. NEWS

265. NEWS

266. NEWS

267. NEWS

268. NEWS

269. NEWS

270. NEWS

271. NEWS

272. NEWS

273. NEWS

274. NEWS

275. NEWS

276. NEWS

277. NEWS

278. NEWS

279. NEWS

280. NEWS

281. NEWS

282. NEWS

283. NEWS

284. NEWS

285. NEWS

286. NEWS

287. NEWS

288. NEWS

289. NEWS

290. NEWS

291. NEWS

292. NEWS

293. NEWS

294. NEWS

295. NEWS

296. NEWS

297. NEWS

298. NEWS

299. NEWS

300. NEWS

301. NEWS

302. NEWS

303. NEWS

304. NEWS

305. NEWS

306. NEWS

307. NEWS

308. NEWS

309. NEWS

310. NEWS

311. NEWS

312. NEWS

313. NEWS

314. NEWS

315. NEWS

316. NEWS

317. NEWS

318. NEWS

319. NEWS

320. NEWS

321. NEWS

322. NEWS

323. NEWS

324. NEWS

325. NEWS

326. NEWS

327. NEWS

328. NEWS

329. NEWS

330. NEWS

331. NEWS

332. NEWS

333. NEWS

334. NEWS

335. NEWS

336. NEWS

337. NEWS

338. NEWS

339. NEWS

340. NEWS

341. NEWS

342. NEWS

343. NEWS

344. NEWS

345. NEWS

346. NEWS

347. NEWS

348. NEWS

349. NEWS

350. NEWS

351. NEWS

352. NEWS

353. NEWS

354. NEWS

355. NEWS

356. NEWS

357. NEWS

358. NEWS

359. NEWS

360. NEWS

361. NEWS

362. NEWS

363. NEWS

364. NEWS

365. NEWS

366. NEWS

367. NEWS

368. NEWS

369. NEWS

370. NEWS

371. NEWS

372. NEWS

373. NEWS

374. NEWS

375. NEWS

376. NEWS

377. NEWS

378. NEWS

379. NEWS

380. NEWS

381. NEWS

382. NEWS

383. NEWS

384. NEWS

385. NEWS

386. NEWS

387. NEWS

388. NEWS

389. NEWS

390. NEWS

391. NEWS

392. NEWS

393. NEWS

394. NEWS

395. NEWS

396. NEWS

397. NEWS

398



# The Future of Broadcasting.

By LORD GAINFORD.

Lord Gainford is Chairman of the B.B.C. Before his elevation to the Peerage, in 1916, when Postmaster-General, he was the Rt. Hon. Sir Joseph A. Pease, Bart.



LORD GAINFORD.

(Photo Bureau.)

It has been suggested to me that this is a propitious time to say a few words with regard to the future of broadcasting, with special reference to the Report of the Broadcasters' Committee and to the Recommendations of the Postmaster-General. The delay in issuing the report was beginning to occasion some anxiety, but it has been generally admitted that the delay was abundantly justified in that it has enabled the Postmaster-General to effect a solution of the intricate problems confronting him. The new agreement has met with a gratifying measure of appreciation from the public and the Press of the country.

## Every Point of View.

May I be permitted to recall the fact that I have had some experience of the responsibilities attaching to the office which Sir Laming Worthington Evans so acceptably holds, and I know how difficult it is to formulate a series of proposals which satisfy the requirements of people with widely divergent points of view. The Postmaster-General has sympathetically considered every point of view, and the absence of hostile criticism is an indication of his success.

I should like also to congratulate the Broadcasting Committee upon the way in which they discharged their duties. Although the Postmaster-General has been unable to accept all their recommendations forthwith, it is recognized that the contribution of the Committee to the solution of the wireless problems has been a substantial one. Some of the reforms which they have suggested will greatly facilitate the development of wireless.

In particular the B.B.C. appreciates the recommendations of the Committee that there should be an extension of the wave band, additional hours of transmission, and the gradual removal of certain restrictions, all of which are retarding progress.

## Appreciation of the B.B.C.

The Committee has been good enough to express appreciation of the performance of the Broadcasting Company, and we are glad that it has been put on record that we have achieved a large measure of success in gauging the public taste and providing satisfactory programmes, and in doing valuable pioneer work in the face of many difficulties.

I cannot say much with regard to the recommendations of the Postmaster-General, except that generally speaking they are entirely satisfactory to the Broadcasting Company. Some of them have already been given effect to, and in all the others the B.B.C. will give its loyal and willing co-operation.

It is a matter of sincere regret to us that we were unable to accept the uniform licence, but as protection by legislation could not have been secured except after long delay, even in view of the special circumstances of our case, and as we were bound to insist on some protection to British trade, it was found that the

only means of securing it was by the retention of the Broadcast Licence and the introduction of the Constructor's Licence with the condition that British parts only would be used.

Apart from protection for a limited period having been a cardinal principle of the scheme when started, on the strength of which the manufacturers subscribed capital to start the service and launched out into the new industry, I am sure you will recognize the importance of giving a new industry a chance to become established, particularly in these anxious days of severe unemployment.

## An Appeal.

I wish especially to associate myself with the appeal of the Postmaster-General to the public to give the new regulations a fair chance. We have accepted the Interim Licence and the Constructor's Licence as the best solutions of the problems presented by the people who make their own sets.

I make the appeal with great confidence that the constructors will see to it that only British-made parts are used. It is needless for me to point out that the more home-made sets are constructed the fewer complete sets will be sold, and it should help to make the hobby of constructing a set all the more enjoyable if we know that our hobby is interfering as little as possible with the livelihood of our fellow countrymen and women.

Wireless has given employment to thousands of people during the last year who would otherwise have been idle, and it will do so again if all will play the game. It is because we believe in the innate sense of fair play of the British public, it is because we are confident that they will do the right thing if they only know what is the right thing to do, that we have accepted this Constructor's Licence, which constitutes a great departure from our original agreement.

## Licences for Everybody.

I do not think speaking generally, those who have constructed home sets really have wished to escape making a fair payment for programmes to which they have listened, and that now the way is made open to them they will take out their licences and so help us steadily to improve the programmes.

May I take this opportunity of extending to our readers the appreciation of the Directors of the B.B.C. for the way in which they have received this journal.

Sound proof of the public interest in broadcasting has been the phenomenal success of this magazine. At one bound it has become one of the most widely-circulated periodicals of the day.

Broadcasting is only on the threshold of its career. It has made rapid strides in the few months of its existence, and no one can forecast what its future development will be. Now that there appears to be a satisfactory solution of so many of its problems, there is no reason why it should not go on from strength to strength, until it takes its place as one of the great permanent services of the country.

To enable it to do so we must have an adequate and secure financial position. Hence it is where you all can help us; licences for everybody. Please use your influence in the respect.

*Gainford.*

# The Deputy-Director of Programmes.

BY ONE WHO KNOWS HIM.

C. A. LEWIS is full of vitality. One is conscious of energy pinned down, struggling to escape. It exhibits itself in the headlong rush down the passage as I enter the room, urgent and chafed at his hat as he enters the room, peaks—when not at the microphone—very rapidly, and gives the effect of running a race with Time in which he has been badly handicapped.

He is young to be Deputy Director of Programmes, a position of importance in the B.B.C., and sometimes his preoccupied air indicates that he acknowledges with due gravity the responsibilities resting on his shoulders. But apart from this occasional seriousness he is a cheerful soul.

## A Shakespearean Enthusiast.

As the instigator and chief moving spirit of the wireless performances of Shakespeare, Mr. Lewis has "made history," and opened up an entirely new field for broadcasting activities. "Twelfth Night" was followed by the "Merchant of Venice," while "Romeo and Juliet" and the "Midsummer Night's Dream" have also been successfully performed, this week, "Macbeth" is being played.

Mr. Lewis has the faith of the enthusiast and is evidently hiding his time for doing "Hamlet." It is fine to come across a believer in Shakespeare nowadays, when the West-end repudiates his plays, and they are left to the excellent acting, but poor productive powers, of suburban theatres. Mr. Lewis, in successfully overcoming prejudices and giving several "invisible" performances, may move the means of re-establishing Shakespeare in his rightful position.

As Uncle Caractacus he is far more well-known than as C. A. Lewis, for as Uncle Caractacus he is in charge of the Children's Hour, conducts the Children's Page in this paper, and jokes jocosely with Uncle Jeff every evening from 2 L.O.

His namesake, an ancient Briton, resisted the Romans, we are told, in the first century. He was ultimately captured and taken prisoner to Rome, where the Emperor Claudius was so moved by his dignity of bearing that he pardoned him. If it happened that Caractacus of the Children's Hour were at the mercy of an Emperor Claudius, he would surely be reprieved when his captor put on the headphones, and his life preserved, like that of the fair Scheherazade of the Arabian Nights Tales, from night to night, as long as his cheerful "Uncle-ing" lasted.

## Enjoying His Work.

The kiddies love him, and his desk, like Uncle Arthur's, always bears material witness of their affection. Flowers, figurines, and funny little mascots of every kind find their way through the post to it, and a heap of correspondence in sprawling childish characters awaits him every morning.

Listeners are familiar with the "Answers to Correspondents" touch during the Children's Hour, but perhaps do not appreciate what it means, after a long day's work, to tackle with continued zest and freshness the part of Uncle. He has a joke or some little bit of nonsense for each of the children he is "answering," and seems to enjoy it all quite as keenly as his unseen audience. How they would love him if they could see him, and long for him to pick them up and toss them on to his shoulder, so high above everyone else.



## A Recent Talk Broadcast from London.

## My Assault on Mount Everest.

By Brigadier-General the HON. C. G. BRUCE, C.B.

(Brigadier-General Bruce is one of the most intrepid of living mountaineers, and last year he commanded an expedition for the purpose of attempting to climb Mount Everest, the highest mountain in the world. He and his party broke all altitude records, but just failed to reach the top. In the following "talk" General Bruce describes some of the hardships and difficulties he encountered.)

THERE have now been two expeditions to explore and attempt to climb Mount Everest, and we are now preparing a further and third stage. The attempt to climb Mount Everest is the last, possibly, of the great main explorations on this globe.

We, as a nation, have, in spite of many gallant attempts, failed to be the first to reach the North and South Poles.

Mount Everest stands, as it were, between the two—a grand trio—and may be looked upon as the most romantic of the three great points of interest.

To begin with, it lies on the borders of the kingdom of Nepal and the territory of Tibet: and has been, until the present time, quite as difficult of access as the North and South Poles.

Access from the south is still out of the question. But during the last few years, so friendly have our relations become with the Tibetan Government, that, owing to the kindness of the Dalai Lama, the ruler of Tibet, the last two expeditions have been allowed to travel through their country and to approach the main chain of the Himalaya from the north.

For almost innumerable generations Tibet was shut off from contact with the Western World, and has been visited—until the Younghusband Expedition of 1903-4—by very few travellers.

## The Dalai Lama.

At the present time and under the enlightened government of the present Dalai Lama, there has been a vast change of outlook. He is a man of exceptional character, and the head of the Lamaistic religion in Tibet. But besides that, he is also the political chief, for he combines the spiritual with temporal power in a manner exercised by no other head of a State in the entire world at the present time—not even omitting Japan. The seclusion of Tibet has been very largely broken down under his rule.

It is strange to think that the mysterious town of Lhasa has now been connected with India by post and telegraph. And not only that, but we have for the last year been training Tibetan officers who have been attached to our Indian army for instructional purposes.

The films which have been shown are the first taken in Tibet, and for the first time we have been able to produce in Europe pictures which give some idea of the strange life and curious customs of the Tibetans.

Although an attack on a great mountain such as Everest does not require in any way protracted operations, still the actual effort required in making such an assault is probably as strenuous while it lasts, or even more strenuous, than any other test of physical endurance.

Therefore one of our difficulties is to produce our climbing parties, whether the actual mountaineers themselves, or the large gang of porters on whom the success of the mountaineering party entirely depends, at the base of operations without in any way exhausting their powers. That is one of the great problems.

## When the Monsoon Breaks.

But even more important than that is the question of the weather. Tibet is one of the driest and most elevated countries on the world's surface. But we are dealing with the extreme southern border, and this southern border is slightly, but quite distinctly, affected by the south-west monsoon currents which break and expend themselves on the southern slopes of the Himalaya, but are still able to

penetrate and melt the winter snow and causes the monsoon rain.

The expedition of 1922 had rather bad luck, in that the monsoon arrived about ten days earlier than usual.

The weather reports show that whereas in 1922 on June 7th the southern slopes of the Himalaya showed an excess of ten inches of rainfall, the record this year, on the same date, showed a deficit of twelve inches. This would mean that if we had had the luck to be attempting Everest in the present year, we should have had two to three weeks more time in which to carry out our attack.

Should these last conditions be repeated, everything points to a successful issue to our labours in the year 1924.

## Arctic Methods.

Further, our experiences on the last two expeditions have taught us many lessons by which we hope to profit. We know exactly where our camps should be pitched. We know the approaches to the mountain. And it has been proved that our methods—Arctic methods almost for the first time applied to mountaineering—are the right ones.

We took with us a very first-rate outfit of the best of foods that can be tinned, and soon, having collected all our supplies at our great base camp, at the head of the Rongbuk valley—which is the great valley running north from the northern slopes of Everest—we proceeded to push up our depôts until we had established a forward base at a height of 21,000 feet at the foot of Everest itself.

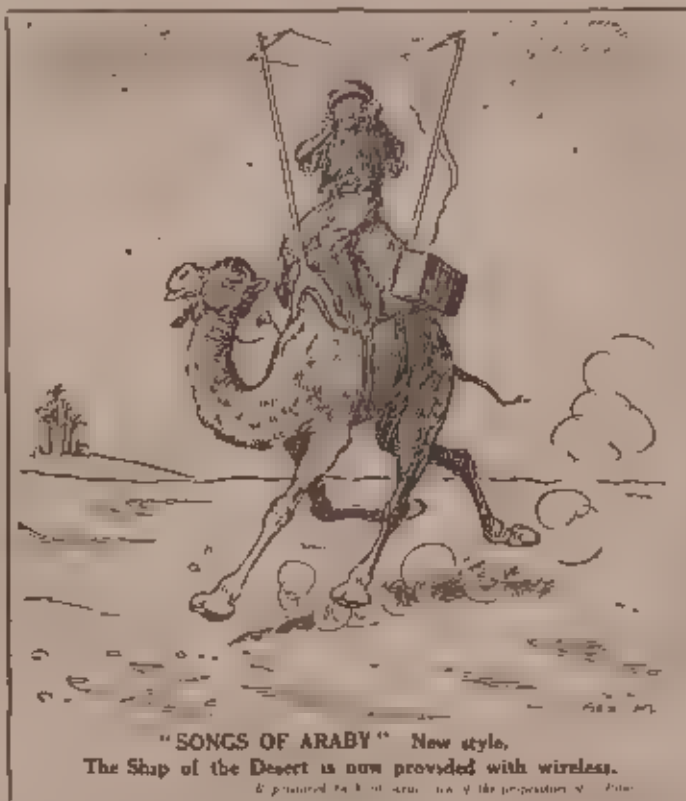
To give some idea of the work entailed I must explain that this base had to be supplied in a fortnight, and we had to push on to the advanced base supplies for fourteen Europeans and forty-five porters for a month.

## Terrible Sufferings.

The first party made an attempt without the extra help of using the oxygen apparatus, and attained the quite unprecedented altitude of only fifteen feet less than 27,000 feet.

They suffered terribly, as was natural, from fatigue and exposure, and, with the exception of Dr. Somervell, all in greater or less degree from frostbite, especially on their descent, when they encountered a bitterly cold and severe wind.

The second ascent, which used the oxygen apparatus, reached a still greater height of 27,235 feet, and no doubt would have attained a still greater altitude if it had not been for the fact that they were weather-bound for two whole nights in their camp at the astounding height of 25,000 feet, by a perfect hurricane of icy winds.



"SONGS OF ARABY" New style.  
The Ship of the Desert is now provided with wireless.

shroud the whole of the mountains themselves in an immense cloak of cloud for at least three of the summer months.

All attempts on Mount Everest must be carried out before the break of the monsoon with its soft and damp winds.

The prevailing wind in Tibet is a cold and extraordinarily dry western wind, and while this lasts the mountain remains hard and frozen, and, with the exception of the intense cold, in a comparatively safe condition.

When the warm winds conquer the dry west winds everything changes, and a condition is set up which can be quite well likened to the "Föhn" wind which blows in the Alps in the







(Oct. 27th.)

LONDON.

4.46.—WOMEN'S TRANSMISSION: (a) Poultry Talk by "CHANTICLEER", (b) In and Out of the Shops, by THE COPY CAT

**BOURNEMOUTH.**

4.30.—Land Line Transmission of ORGAN MUSIC FROM THE PICCADILLY PIC

**CARDIFF.**

Children's News.  
11.30.—Land Line Transmission of ORGAN  
MUSIC FROM THE PICCADILLY PIC

**MANCHESTER.**

11.30.—Land Line Transmission of ORGAN MUSIC FROM THE PICCADILLY PIC

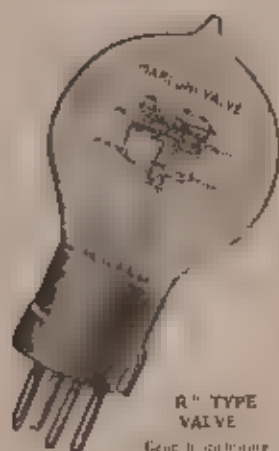
ANNOUNCER R. C. PRATT

**NEWCASTLE.**

10.40.—CLOSE DOWN  
ANNOUNCER R. C. PRATT



*It's the valve  
that counts!*



የፌዴራል ዘመናዊ ስራ ማዘጋጀት  
ጥራት ማረጋገጫ ማዕከል

A general purpose valve which will perform all the diverse functions of the Temperature Valve.

PRICE IS .54 EACH



**PRICE \$216 EACH**

**I**F you use a Valve receiving set you will do well to realise that the efficiency of your outfit is largely dependent upon your choice of Valves. It's the Valve that counts. You will positively ensure the best reception of vocal and musical items by using

## MANHATTAN PLAZA

which are made—and made to last—with the same scrupulous care that has always characterised the manufacturing operations of the famous OSRAM Factory.

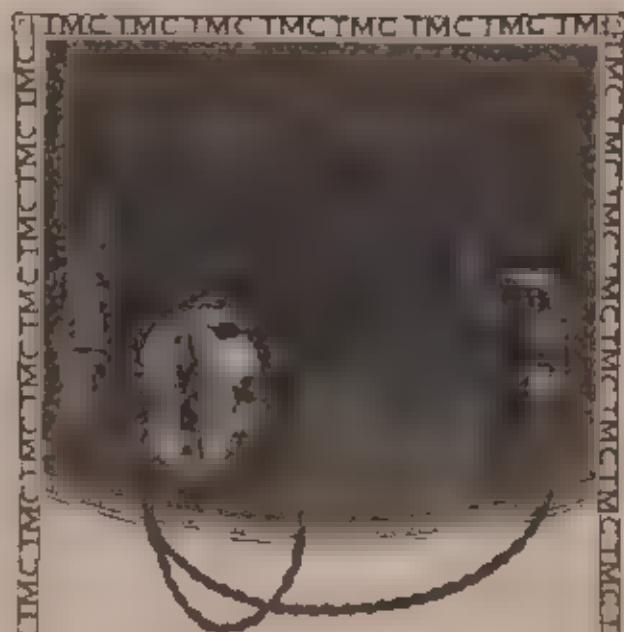
You use OSRAM Lamps at home—use the Valves with the "OSRAM MADE" reputation

**BUY BRITISH GOODS ONLY.**

**MARCONI VALVES**  
MADE AT THE OSRAM LAMP WORKS

Sold by all leading Wireless Dealers, Electrical Contractors, Stores, etc.

(Wholesale only)  
THE GENERAL ELECTRIC Co., Ltd., Magnet House, Kingway,  
London, W.C.2.



## Sensitiveness and Reliability

are the two essentials of wireless headphones

These two features are assured to T.M.C. headphones by careful choice and analysis of material, expert supervision, and modern methods of production based upon years of experience in telephone manufacture.

Three, four, or more pairs can be used in series. You will obtain good results from your set if you use—

# TMC Headphones

PRICE 25 -

The Telephone Manufacturing Co., Ltd.  
Bullington Works, Dursley, London, S.E.2.

~~MCTMCTMCTMCTMCTMCTMCTMCTMCTM~~











# THE CHILDREN'S CORNER A TALK ON MANY THINGS

Conducted by **UNCLE CARACTACUS.**

IT'S awfully difficult to tell you something new every week, isn't it, children? I believe even the very best uncles would run dry of stories if they had to tell them every night, as we wireless Uncles do. Real uncles can pretend to be grumpy and shut the door when they're busy: they get out of story-telling that way, but we can't—and we're never bad tempered, are we? I think we ought all to have medals, don't you?

And now, as we're telling stories every day of the week, I have to find something to write to you besides

I don't think it's quite fair that I should have to tell you stories in this paper, since many of you have never heard of me, and would much prefer to hear something from your very own uncles. Well, very soon I hope they will be sending in stories of their own, and then I shall go to sleep or have a holiday until my time comes round again.

## Dressing the Wrang Way Round.

**B**UT this week I'm not going to tell you anything about wireless, I'm going to tell you about a foreign country.

I once saw a whole lot of children in a far away country—called China.

Such funny children they are, from the latest ones, who are carried about in bundles, to those who can toddle along on their own legs. The Chinese mothers don't clothe their babies in white, with bits of blue ribbon, as our mothers do—they believe in bright colours, and, funnier still, they dress all the wrong way round!

The little girls have trousers as soon as they can walk, and the little boys have trousers, too, with short coats—when they have grown up a little bit more they have long coats right down to the toes, but their sisters have trousers always, even when they are quite grown up.

So if you were to see a little Chinese girl, you would think she was a boy for certain. The coats and trousers are hardly ever of the same colour. The little ones have bright blue coats and pink trousers and then tiny black cotton shoes and pink socks or they change round and have pink coats and blue trousers!

## Four Plaits Each.

**T**HEY beat all the English children in one thing, they have four plaits! Oh! I know you've got four plaits, too—some of you—but you haven't got one plait down your back, one hanging straight over each ear, and one sticking straight up over your forehead and dangling down to your nose! And that isn't all; these plaits have ribbons woven into them—either bright red or bright green, usually two of each.

All the rest of their hair is cut fairly short, with a fringe in front, and then when they get older, they do it up in a bun behind and put white flowers in it, fastening them with coral and jade pins.

This hasn't got much to do with wireless, has it? But I always think that children in other countries must be interesting to British children, too, and that is why I have been telling you about them.

## Funny Feeding.

**O**H! and one thing more, they don't eat with spoons and forks as we do, but with two long thin sticks called "chopsticks." The food is put in a big bowl like a porridge bowl—and it is mostly rice—rather dry—

sugar or treacle with it—and then with the bowl held up to their mouths they shovel in the rice with the chopsticks. Table manners are a little bit different out there, so it doesn't matter if some of the food gets spilled. How would you manage if you had to get all your porridge down "Red Lane" with a pair of sticks? Try it!

## A Great Time with Letters.

**E**VERY week I have put on my table a list showing how many letters you all write to your various Uncles. The various stations have a great time seeing who can get the most letters.

Birmingham usually wins—but their Uncle Bert and the others there are such fine fellows, so it is hardly surprising—but, between ourselves, the London Uncles were rather upset about it.

Still, in London we only answer letters from nephews and nieces with birthdays and those who have parties or are ill in bed—and so, perhaps, we could have more if we allowed all sorts of letters to be answered.

I believe the Birmingham Uncles are taking an unfair advantage of us by letting everyone write to them. What will Uncle Edgar say to that, I wonder?

## "Swapping" Children's Hours.

**I** SAY, children, I've got another idea! What about swapping children's hours? How would it be if, once a week, we all listened to Uncle Bert, of Glasgow, and then to Uncle Donald, at Cardiff, and then to Uncle Dan, at Manchester, and so on? It would be rather fun, wouldn't it? You see, now we've got this paper and wireless, the various Uncles will be writing letters every week it would be so easy to know them better, don't you think so? I think we could manage to make something like that, if we tried very hard.

And then we could have a swapping competition to see which Uncle and Auntie were the most popular.

How do you like the gramophone being played in the Children's Hour?

Have you got any favourite records? I expect you have,



**A CLEVER BOY AND HIS PETS.**

Master Lancelot White is only seven years old, but he broadcasts delightful children's stories. Have you heard them?

and if any of you want particular records, you had better write in to your special Uncle and ask for them. I know the Uncles will put them on for you.

## Little Black Sambo.

**D**IDN'T you simply love the story of "Little Black Sambo" we broadcast a week or two ago? Can't you just imagine the Tiger with a knot tied in his tail to hold the green parasol in the other concealed Tiger with the green bag from his ears saying, "I'm the little Tiger in the jungle." What sillies they were!

And what beautiful melted butter they must have made for Black Sambo to make pancakes out of! Don't you love pancakes?—I do, but I never managed to eat 133 like Little Black Sambo.

...

Now I have no more to tell you this week, but Uncle Enoch, from Glasgow, has got another tale about the station cat, Soosie.

Here it is.

## More About Soosie.

**S**OOSIE, apparently, did not consider it wise to stop to ask Daddy any questions. She remembered that he had a temper, and that the knowledge that his complexion was now a ruddy pink for the rest of his natural life, would not sweeten him. Terrified, she fled from the house, too scared to take time to bid Willie and Margaret a tearful "Good-bye," and for the first time in her life found herself homeless, friendless, and alone in a great city. The months which followed were dreadful ones for the deserted family pet. Shunned alike by mankind, and by her own furry tribe, for every body regarded the pink cat with fear and suspicion, she discovered that a pink cat's life was worse than a "dog's life." She picked her meals from the streets, was always to be found near a fried-fish and chip shop in the evening, and caused no end of trouble, for when a husband returns home late at night, and tells his wife that he has seen a pink cat, she naturally thinks that he has not spent all the evening at the office!

## Sad and Sure!

**O**NE day during her roof explorations, a happy chance took Soosie to the tiles of the Glasgow Broadcasting Station in Bath Street, and we are now coming to the bit where she got her blue spots. Soosie, you must remember, had never seen an aerial before, so she regarded that one on the roof of the station with a puzzled air, and immediately sprang on to the wires to inspect it more closely. She came down much quicker than she went up, bearing blue spots on her coat where the pink had been singed off, for I must explain that at the exact moment the Tabby mounted the aerial, it was scorched by a heated argument between Uncle Mungo and Uncle Alex as to whether it was tea-time yet!

Sadder, and sorer, than ever, Soosie sat on the slates, probably contemplating, on the most convenient way a pink cat, which now had additional blue spots to add to her colour scheme, could put an end to all her troubles.

(To be concluded.)

...

Doesn't it all sound funny? But don't worry—it all comes from a very pleasant dream. —CARACTACUS



## Letters From "Listeners."

[We hope to give on this page each week a selection of typical letters from the B.B.C. The points raised by the writers will be covered briefly immediately beneath each communication. Ed. "R.T."]

### Impracticable.

DEAR SIR.—May I suggest that you ask listeners if they would prefer the programme to be altered to the afternoon 1 to 4 p.m.? This, I think, would be more convenient to most listeners, if it were also convenient to you. Yours faithfully

London, S.E. C. R. L.

[Until the London transmitting station is fixed, the 210 afternoon transmission is impracticable. 210 is too near to the Air Ministry Station in Kingway.—Ed. R.T.]

### London Heard in Christiania.

SIR,—I just want to send you a few words to express to you the wonderful clear transmission from your station. You may perhaps not be aware that we usually receive 210 here in Christiania, 100 kilometres from London, just as loud and clear as if it should have been two miles away, using our standard 3-valve receiver and a loud speaker, and without further amplification the music simply fills the room.

I find it rather difficult to understand several writers' statements in different wireless journals that they are unable to tune out 210 in London to receive, for instance, 250. Here in Christiania we have succeeded in tuning out our own local 210 and listening on 500 Watt, which is carried on experiments nearly every evening now.

wave-length 500 metres and receive 210 with very little difference in strength. The distance from Christiania to Broadcasting Station is 6 kilometres.

Yours, etc.

V K

[We are now receiving quite a number of letters from Scandinavia reporting good reception from the several British Broadcasting Stations. Ed. R.]

### A Light Concert Party

DEAR SIR.—Having consulted many of my friends, and also being an amateur listener, may I suggest that during the winter, the B.B.C. engage a Concert Party after the style of our friends the "Co-optimists" to entertain two nights a week, and thereby ensure a good laugh after a busy day?

Perhaps you would place this suggestion before your audience.

Yours faithfully

Forest Gate

M H

[The establishment of a light concert party for broadcast entertainment is now in hand. Ed. R.]

### "Radiand."

DEAR SIR. Why are owners of receiving sets called "listeners" or "listeners"? The term, "listener" is applicable to one who listens to anything and by any means, but as applied to listening by wireless the term is surely an expedient. We are often told that wireless is in its infancy—are we to wait until



Announcer (opening the broadcasting): "Hullo, everybody!"

Tired Telephone Operator (stupid-mindedly): "Number, please!"

It may seem a pity before the so-called listener receives his baptismal name!

I consider that the most appropriate term for one who listens to radio transmissions is "Radiand." Like all new words, it will sound strange at first; but after it has served its apprenticeship it should find its place in our dictionary and the foreman who is studying our language will then discover the difference between the man who is listening to the street corner orator and a member of the vast unseen

Yours faithfully

H. HYAMS.

Hon. Secretary Hornsey and District Wireless Society

## FELLOPHONE SUPER 2.



Mounted in a well finished mahogany case, it comprises 1 H.F. valve and 1 detector. This instrument permits the fullest reaction allowed by the P.M.G., and will give excellent results on all the British Broadcasting Stations.

PRICE £9 : 0 : 0

From B.B.C. Test, 12 R. Marconi Test, 21 S. G. 2 Valve 15 4 inch. Complete with H. T. battery, A.C. adaptor, 100 ft. 1/2" stranded copper aerial, 2 insulators, 1 pair 4,000 ohms headphones.

# FELLOWS

A. & S. The Fellows Magneto Co. Willesden N.W.12



THE NELSON

Can be used as a radio or as a telephone.

Write for New Reduced Prices

## Listen in with an Efescaphone

EFESCAPHONE wireless receiving sets are as handsome as they are efficient.

The "Nelson" model illustrated is contained in a handsome French-polished walnut cabinet with a roll front which can be closed down when not in use. The 'phones are accommodated in a cupboard in base and all wires are out of the way at the back of the instrument.

This set, like all Efescaphone models, is perfectly constructed. The 3-valve type has a telephony range of 250 miles with headphones, or 75 miles with a loud speaker. For the 2-valve type the telephony range is 125 miles.

Write for Catalogue 500 containing full details of all models and prices.

# EFESCAPHONE

Headphones for use with headphones.



Wholesale only: FALK, STADELMANN & CO., LTD. Efescaphone Electrical Works: 63-65-67, Farringdon Road, London, E.C.1, and at Glasgow, Manchester and Birmingham.







# WIRELESS PROGRAMME—ABERDEEN (Oct. 21st-27th.)

## SUNDAY.

7.15 TRANSMISSION FROM LONDON  
ON THE RADIO FROM THE  
SUNDAY HALL. SEE LONDON  
PROGRAMME.

8.15 THE WHOLE OF THE GLASGOW PROGRAMME WILL BE REBROADCASTED AT 1.15 P.M. SEE GLASGOW PROGRAMME FOR DETAILS.  
ANNOUNCED BY A. CARRUTHERS

## MONDAY.

7.30-4.30 SEE GLASGOW PROGRAMME

7.0-7.25 D.T.O.

7.45-9.45 SEE LONDON PROGRAMME

9.45-10.30 SEE GLASGOW PROGRAMME

11.30 CLOSE DOWN

ANNOUNCED BY  
A. H. SWINTON PATRICKSON

## TUESDAY.

7.30 THE ABERDEEN WIRELESS TRIO

9.0-10.0 CLOSE DOWN

10.30 WOMEN'S TRANSMISSION FROM LONDON  
ON THE RADIO FROM THE SUNDAY HALL. SEE LONDON PROGRAMME FOR DETAILS.  
ANNOUNCED BY A. CARRUTHERS

11.30 THE WHOLE OF THE GLASGOW PROGRAMME WILL BE REBROADCASTED AT 1.15 P.M. SEE GLASGOW PROGRAMME FOR DETAILS.  
ANNOUNCED BY A. CARRUTHERS

1.15 THE WHOLE OF THE GLASGOW PROGRAMME WILL BE REBROADCASTED AT 1.15 P.M. SEE GLASGOW PROGRAMME FOR DETAILS.  
ANNOUNCED BY A. CARRUTHERS

6.0 CLOSE DOWN

6.15 THE FIRST GENERAL NEWS BULLETIN, S.B. from London

10 WEEKLY DRAMATIC CRITICISM  
MR ARCHIBALD HADDON (B.B.C.)  
Dramatic Critic, S.B. from London

12.30 ABERDEEN NEWS AND WEATHER FORECAST

3.0 THE ABERDEEN WIRELESS ORCHESTRA "Three Dale Dances" (Wood)

4.5 MISS CHRISTINE RITZ, Mezzo Soprano: (a) "Love is meant to Make Us Suffer" (Verdi); (b) "O don Fatale" (Verdi)

7.5 THE ABERDEEN WIRELESS ORCHESTRA: (a) "Auntie" (Palladio); (b) "The Flower Girl" (Biddle)

8.0 MISS CHRISTINE CROWE, Soprano: Selections from her repertoire

9.15 THE ABERDEEN WIRELESS ORCHESTRA: (a) "The Flower Girl" (Biddle); (b) "The Flower Girl" (Biddle)

9.30 MISS CHRISTINE RITZ, Mezzo Soprano: (a) "Love is meant to Make Us Suffer" (Verdi); (b) "O don Fatale" (Verdi)

10.30 MISS CHRISTINE CROWE, Soprano: Selections from her repertoire

11.30 THE ABERDEEN WIRELESS ORCHESTRA

11.30 THE WHOLE OF THE GLASGOW PROGRAMME WILL BE REBROADCASTED AT 1.15 P.M. SEE GLASGOW PROGRAMME FOR DETAILS.  
ANNOUNCED BY A. CARRUTHERS

11.30 CLOSE DOWN

11.35 SIMULTANEOUS BROADCAST OF THE SECOND GENERAL NEWS BULLETIN FROM LONDON

12.30—S.B. from London SEE LONDON PROGRAMME

1.15 ABERDEEN NEWS AND WEATHER FORECAST

11.20 CLOSE DOWN

ANNOUNCED BY W. J. SIMPSON

## WEDNESDAY.

The Programme is the one given at Glasgow  
SEE GLASGOW PROGRAMME

## THURSDAY.

The Programme is the one given at Glasgow  
SEE GLASGOW PROGRAMME

## FRIDAY.

The Programme is the one given at Glasgow  
SEE GLASGOW PROGRAMME

## SATURDAY.

The Programme is the one given at Glasgow  
SEE GLASGOW PROGRAMME



# The STEINWAY WELTE REPRODUCING PIANOFORTE

is broadcast daily from  
MANCHESTER - NEWCASTLE  
CARDIFF

Perfectly true and faithful  
renderings of the World's  
Greatest Pianists

JOSEF HOFMAN PADEREWSKI  
PACHMANN - LESCHETIZKY  
ETC. ETC

Grands, Uprights and Cabinets

## STEINWAY & SONS

STEINWAY HALL - 115-117 WIGMORE ST, WL

A marvel for simplicity and clearness

# THE "APOLLO" CABINET CRYSTAL SET No. 5



## Special Features

£2:11:6

£2:12:6

£4:3:0

For a full list of prices and details of the set, write to the following:

**CRAIES & STAVRIDIS, Apollo House,  
4, Bunhill Row, London, E.C.1.  
TELEPHONE—Clerkenwell 4112**

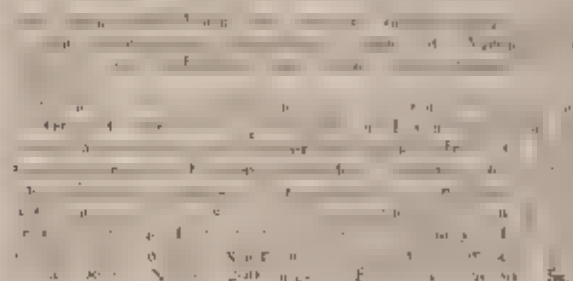
## TWO ESSENTIAL BOOKS FOR THE WIRELESS ENTHUSIAST.

NOW READY:

### Principles and Practice of Wireless Transmission

By G. PARR,

Demonstrator at the Finishing Technical College



JUST PUBLISHED.

### THE POULSEN ARC GENERATOR.

By C. F. ELWELL,

Fellow of the Institute of Radio Engineers, M.I.E.E. M.A.I.E.E.

Demy 8vo. 182 pp., 120 illustrations, half-binding, 18s. 6d.

**ERNEST BENN, LTD., 8, Bouverie St., E.C.4.**

## To Owners of Valve Wireless Sets in London Districts.

Don't buy that new battery you thought of buying!!! Instead, write to us for particulars of a very unique offer.

**THE LONDON BATTERY CHARGING & MAINTENANCE SERVICES,  
53, Victoria Street, S.W.1**

## IF IT'S MOTORING! ASK TWELVETREES.

Capt. Richard Twelvetrees, A.M.I.E.E., Etc.  
VANDERVELL, 199, Piccadilly, W.1 Ger 552

## "THE SHELDON" SLIP-ON HEADPHONE PAD

The only really comfortable pad on the market has been proved a friend to thousands of motorists.

Can be slipped on or off in a few seconds. Requires no fastenings.

Extremely light and comfortable, weighing about 100 gms.

Made of best leather and good quality thick padding. Lasts for years.

As users of our headphones know, that a car is a noisy place, and the only way to hear the road is to wear headphones. This is a fact, and it is a fact that wearing headphones is the only way to hear the road.

PRICE  
2 - 2/6 2 for 3/9 3 for 5/6. Post Free.  
Leads and 1/2 in. stamps 6d.

**S. SHELDON (Patentee), 2, FAIRFIELD MOUNT,  
HIGHGATE, WALSALL.**



## Something New of Interest to Radio Users

### What a Clear Tone!

Voice clear as bell

### No more Ear Troubles

Note patent "PNEUMATIC GRASP" which is a life-saving head-staking pressure off the ears

### No Pressure on the Ears

HYGIENIC. Only one holding band necessary. Specially recommended for ladies. No more untidy hair, or entanglement. Can be fixed in any desired position on the head

EQUIP YOUR RADIO OUTFIT WITH

### "Brookes (Patent) Unison Headphones"

Type Approved 4,000 Ohm per pair

### MATCHED TONE IN EACH RECEIVER

Magnets permanently sensitive, made of Tungsten Steel, carefully aged to uniform magnetic strength. Will not weaken or lose strength.

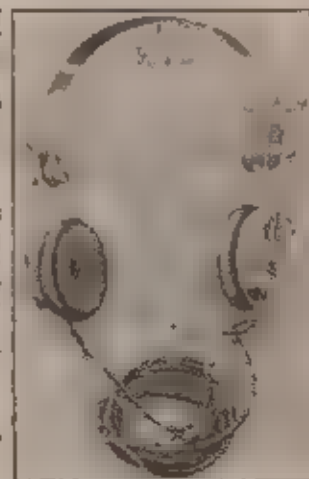
UTMOST COMFORT. Insist on the "BROOKES UNISON."

Sensitive Sine Spring for adjustment. Cannot Slip. Light as a feather. Finest quality finish. Extra long Flexible Cords.

Price 28/- each.

**Manufacturers: ART METAL STAMPING CO.,**

58 & 59, GRAHAM STREET, BIRMINGHAM





# HOW TO WIN A FOUR VALVE SET

(either complete or ready for assembling)

**COMPLETE**

**WIRELESS LIBRARY**

**LOUD SPEAKER**

**AND OTHER VALUABLE PRIZES.**

For full details see

## THE WIRELESS WORLD

and RADIO REVIEW

**OCT. 31st**

**4<sup>D</sup>.**

Place an Order with your Newsagent

**TO-DAY**

or send 5d. for a copy, post paid, direct  
from the Publishers,

**The Wireless Press, Ltd.,**

DEPT RT.

12-13, Henrietta St., London, W.C.2.

*Just Published*

### The Wireless Diary and Note Book - 1924 -

FOR EXPERIMENTERS

or wireless enthusiasts

Price 2 6 net

FOR AMATEURS

or wireless enthusiasts

Price 1 - net

By Post 1d. extra

This book is a valuable record of the progress of the amateur wireless enthusiast. It contains a full record of the progress of the amateur wireless enthusiast. It contains a full record of the progress of the amateur wireless enthusiast.

*Just Published*

### Wireless Telephony

A Simplified Explanation

By R. D. BANGAY

Price 2 6 net

Post free 2 9

This book is a simplified explanation of the principles of wireless telephony. It is written in a simple and straightforward manner, and is suitable for the amateur wireless enthusiast. It contains a full record of the progress of the amateur wireless enthusiast.

*Just Published*

### Time and Weather by Wireless

By W. G. W. MITCHELL, B.Sc., F.R.S., F.R.M.S.

Price 3 6 net

Post free 3 9

This book is a simplified explanation of the principles of time and weather by wireless. It is written in a simple and straightforward manner, and is suitable for the amateur wireless enthusiast. It contains a full record of the progress of the amateur wireless enthusiast.

The book is a simplified explanation of the principles of time and weather by wireless. It is written in a simple and straightforward manner, and is suitable for the amateur wireless enthusiast. It contains a full record of the progress of the amateur wireless enthusiast.

Simple diagrams and illustrations show you how to set up your wireless works and how you can use it for signals, or messages for home use.

### Electrons, Electric Waves and Wireless Telephony

By J. A. FLEMING, M.A., F.R.S., F.R.M.S.

Price 7 6 net

Post free 8 -

This book is a simplified explanation of the principles of electrons, electric waves and wireless telephony. It is written in a simple and straightforward manner, and is suitable for the amateur wireless enthusiast. It contains a full record of the progress of the amateur wireless enthusiast.

**THE WIRELESS PRESS, Ltd.,**

DEPT RT.

12-13, Henrietta Street, London, W.C.2.

# LISTEN AND LAUGH! STORIES TOLD BY WIRELESS

## INNOCENCE.

"What a fine little fellow," said a man to the son of a friend as he patted the boy on the head. After chatting with him awhile he was parting. "Well, I suppose you are growing up to be a man like your father?" "What man's afraid of?" innocently replied the boy.

## SHE WON.

A young fellow fell in love with a girl who worked in a glove-shop. He bought her flowers every day. To discourage his attentions she became a manicurist. He had his nails done every day.

She then got a job in a shop and he—now married—went out with a woman.

## THEN THEY FAINTED.

Four old ladies in Brighton were discussing wireless. The first old lady said: "Well, I've got a one-valve set and I can get Manx-heister."

The second old lady said: "Well, I've got two valves and can get Manx-heister, K.M. and Car. G."

The third old lady said: "Well, I've got three valves and can get a B.B.C. Station."

The fourth old lady, who had listened to this, then slipped in and said: "I can hear better than you all, without any valves; I put my head out of the window at night and hear."

Collapse of the other.

## PUTTING HIS FOOT IN IT.

"That woman is the most awful actress I ever saw," said the milk-mannered man to his neighbour.

"That lady is my wife," replied the neighbour. "I am wrong," said the milk-mannered man, "she is a good actress struggling with a rotten play. I wonder what fool wrote it."

"I am the fool," said the neighbour, "and my neighbour's attempt."

## NOT MUCH USE!

The C.O. Rang back the Army List to the sergeant with a forcible remark that the latter was suffering from thrombosis. He wanted something more recent than 1910. The sergeant said the "Ready Reckoner" and the sergeant replied: "I don't know much more than I know here over two years to my knowledge."

## HIS MONEY'S WORTH.

He was out with his best girl, and as they strolled into the restaurant he tried to put on an "I do this every evening" kind of look. When they were seated at a table a waiter approached them.

"What would you like to order?" asked the waiter.

"With," said the young man, "and put plenty of gravy on it."

## A MISTAKE.

A NEW arrival at a Western hotel was presented to the porter. He was sitting on the sofa back before he was off a chair over the horse head.

What is the matter? asked the old-timer who picked him up.

Why she has

ed, said the tempter: Backed? Go on! She only coughed."

## NO WONDER!

A Hebrew entered the consulting room of a well-known oculist, and said: "Meister, I want to get my eyes tested for a pair of glasses." The oculist held a printed card twenty feet from him. "Can you read that?" he asked. "I can't do it, meester," said the Hebrew. The oculist then pushed the card to within ten feet of him. "Can you read that?" "No, I can't, meester," said the Hebrew. No the oculist stuck the card right under the nose. "Can you read it now?" "No, meester," said the Hebrew, "I can't for I ain't never learned to read!"



Jones "Hang it all, it's too bad! There's some idiot oscillating again."

## WIRELESS WISDOM: TIT-BITS FROM THE TALKS

It is far better to appreciate the merits of a person than to be a critic. H. H. H.

There is nothing more foolish than to say that curiosity is an evil, it is a great virtue. A. H. H.

A man with hobbies never has time to waste. J. F. Child

Sincerity and simplicity are fundamental assets to any form of Art. G. A. Atkinson

"Only very shallow people or very reckless people can be indifferent to the truth." R. C. C.

It is fear that makes a man go against his conscience rather than stand firm against public opinion. The Bishop of Kingston

The friendship of a dog is a thousand times more valuable than the friendship of any other animal. A. H. H.

This country has no greater asset among the other countries of the world than its reputation for truth-speaking. Rev. R. F. Horton M. A., D. D.

The Britanic College is a school where he makes the attempt to converse in a foreign language. Hon. Sir John A. Cockburn, K.C.M.G., M.D.



## Reaction Sets

A THOROUGH investigation of the merits of the different makes of Broadcast Receiving Sets will quickly show that for performance the R.F.H. Reaction Sets, (used under broadcasting licence)

Our Works even a 2-valve instrument receives perfectly from Königswusterhausen (630 miles), Paris (330 miles), the Hague (5 miles), London (110 miles), Newcastle (180 miles) and other stations. These results are telephoned, not Morse signals; they are received on

they are confirmed by letters which speak for themselves. 1-valve sets are suitable for loud-speaker work.

1-valve sets are suitable for wireless work. 2-valve sets are suitable for wireless work. 3-valve sets are suitable for wireless work. 4-valve sets are suitable for wireless work. 5-valve sets are suitable for wireless work. 6-valve sets are suitable for wireless work. 7-valve sets are suitable for wireless work. 8-valve sets are suitable for wireless work. 9-valve sets are suitable for wireless work. 10-valve sets are suitable for wireless work.

Our prices for complete 2-valve sets range from 10 guineas upwards.

ROGERS, FOSTER & HOWELL, Ltd., RADIO ENGINEERS

EDWARD ROAD, BIRMINGHAM.

Telephone No. 66. Tel. Grams: 14



will result, and further sharpening will be in  
order. 1 2 3 4

THROUGHOUT the realm of science  
in the universe we are con-  
fronted with the phenomenon of wave  
motion. In the study of the  
phenomena of wave motion we seek the origin  
of the vibrations of the infinitely or  
almost infinitely small.

Whether it be the physicist or the chemist,  
the wireless research worker,  
the astronomer, or the biologist, they all now  
are working together. Even the  
mathematician is dealing with the  
problems of universes in space and  
time. The physicist is now  
dealing with the problems of  
the universe. The chemist is now  
dealing with the problems of  
the universe. The biologist is now  
dealing with the problems of  
the universe. The mathematician is now  
dealing with the problems of  
the universe.

**A** NEW feature in the wireless transfer season of music was introduced when a symphony concert was broadcast to a large number of the British Isles. The programme included Saint-Saëns's Violin Concerto in B Minor and Miss Daisy Kennedy as soloist. Dr. H. A. Wood, conductor, and works by Liszt and Weber. The concert was directed by Mr. Percy Pi

The instruments—so far as could be judged at the British Broadcasting Company's rooms, 11, Victoria Road, S.W., through the apparatus does not vary appreciably—differ slightly between the various *frequencies* of the instruments. It is doubt-

[illegible][illegible]

Should a cat with a wound appear to have lost its sense of direction, it is worth noting that a cat can be effectively disoriented by cutting a fragment off its end and with a pair of scissors, then exposing a fresh surface. If the cat is made out of the hole, it will find its way out.

[illegible]

A section to certain parts of the iron on paper by means of small ceramic tiles provides both aerial and earth connection. There is no reason why this should not prove quite an efficient arrangement, but I admit I think that it will also prove rather expensive.

"The Radio Times," the official organ of the British Broadcasting Company, Ltd. is concerned solely with broadcasting problems and the technical problem.

I should be dealing with the reception of broadcast telephony, the types of sets to be used, and NOT be dealing with the P.T.C. Letters from the programme and their treatment. (See pages 124 and 125.)

And all your nights are gray,  
A "DESKOPHONE"  
Will charm the gloom away.

A  
"DESKOPHONE"  
for  
Purity of Tone.



THE "DESKOPHONE" TWO-VALVE SET  
(P.O. No. 2020)

Tuner, High Frequency Amplifier and Detector, condenser with H. A. and H. T. Battery, Aerial, Lead-in Wire and Insulators **PRICE COMPLETE**

**£12 : 17 : 6**

Price WITHOUT ACCESSORIES \$9 17 6.  
Stowage 12 2.4 Extra. Value 18 00

1. W. FREEDMAN, *AMPLIFIER*, 101.

181 E 94 12 R R 24 Feb 1954



Phone  
Hickory 2318

**THE HOLBORN RADIO CO., LTD.**  
287, High Holborn, London, W.C.1.

for  
Perfect Reception.

## Rectifies



## Oscillates

## Amplifies

(see announcement, page 116)

# MULLARD

ADVT. THE MULLARD RADIO VALVE CO., LTD.  
BALHAM, LONDON, S.W. 12.

THE  
**All-British Wireless Exhibition**  
and Convention.

**WHITE CITY**

SHEPHERD'S BUSH, W. 12.

**NOVEMBER 8th-21st.**

10 a.m. to 10 p.m. Daily.

**ADMISSION**

**1/3**

INCLUDING TAX.

(TRADE DAY—NOVEMBER 8th.)  
(Public admitted after 6 p.m.)

ORGANISED BY

**BERTRAM DAY & CO., LTD.**

9 & 10, Charing Cross, S.W.1.

Telephone: Gerrard 7063, 7064 & 7065.

Telegram: "Alberta", White City, London.

ORGANISED IN CONJUNCTION WITH—

**THE NATIONAL ASSOCIATION  
OF RADIO MANUFACTURERS.**

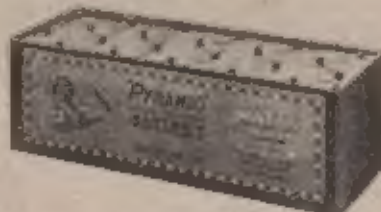
This will be the greatest Wireless Exhibition ever held in the world. The display and demonstration of Wireless will be on a thoroughly comprehensive scale and every possible interest is being catered for. Ample provision is being made for the comfort and convenience of visitors. Apart from the absorbing interest of the actual exhibits there will be numerous special attractions amongst which may be mentioned the demonstrations to be provided by the British Broadcasting Company, Ltd.

## Improved Insulation System in the New Pyramid Batteries Effectively Overcomes High Tension Trouble.

The difficulty of effectively insulating individual cells has been overcome. In the latest models of Pyramid Batteries, the materials used, are first impregnated with a special compound and then the battery is completely filled with the same compound. Local leakage is thus eliminated and a steady consistent flow of current, long life and freedom from "muzzies" is assured.

Prices:

15 volts	5/6 each
33 volts	7/6 each
60 volts	12/6 each
90 volts	18/6 each



All models are variable-supplied at each 3 volts and supplied with 2 Wander Plug.

**USE WATES' BATTERIES TO ENSURE BEST RESULTS!**

Send for our New Illustrated Lists.

**WATES BROS.,**

13-14, GREAT QUEEN ST., LONDON, W.C.2.

Phone: Gerrard 575-6.

Grams: Zywtesseng Westcent.

### THE IDEAL VALVE ACCUMULATOR.

No better recommendation for this Accumulator can be given than that 30,000 of them are at present in use, and absolutely no complaints as to their performance have yet been received.

Prices: Complete in wooden case with leather strap handle.

4 volt 50 amp. (Carriage 2/-) ... 24/-

6 volt 50 amp. (Carriage 3/-) ... 35/-

Prices of other size batteries on application.



### A New Wates' Accumulator for High-Tension Work or Dull Emitter Valves.

The "Baby" Ideal accumulator supplied in separate 2-volt Units or complete as a 60 volt Battery—the former is especially recommended for D-E Valves in view of its lasting qualities when not in use. The latter is a new departure in High Tension Batteries and has an advantage over the ordinary dry cell because they retain their charge for three or four months and can be recharged at small cost.

Prices:

2 volt cell ... 1/6

60 volt Battery consists of 30 volt 2-volt cells connected up and fitted in strong wooden cases carrying handles and outside terminals ... £2 15s.



## Women Who Want to Write.

*A Broadcast from London by Miss Edith Shackleton.*

It is obvious to anybody who thinks the matter over for a moment that in spite of popular fallacy, journalism, especially newspaper work, is not a profession for either cranks or meteors.

It demands steadiness, a sound idea of the normal, a strong sense of balance. Even the woman who goes in for inventing "stunts" must know just how far these sensations are removed from everyday affairs. And to the real journalist Fleet Street is not so much a platform as a market ground—though it may be as dignified and honest a market as one likes to have it.

### The Best Paid Work.

The ambitious girl who has been attracted to journalism because she is public-spirited, or has a deep literary sense, usually begins with a fierce contempt for women's pages or anything that she can label "feminine tosh" but this, I think, is mistaken, and often it wears off when she is able to gauge the possibilities of her profession more clearly. Perhaps the most brilliant and original women do keep to general work, to news reporting or criticism, but the best paid and least precarious positions are those acquired by specializing in women's subjects. The well-known fashion writers (well known, that is, in the profession, for the public may never see their names in print) can ultimately pick up the thousand a year which the general reporter never reaches. Moreover, there is nothing to prevent the fashion article from being well written instead of in an absurd jargon, and the arts of housewifery are neither unworthy nor uninteresting.

It must not be supposed, however, that women

never get chances to do general newspaper work on the same terms as men, or that they are incapable of using such chances. There are many women reporters on leading London dailies who work exactly as do their men colleagues, and have been doing so with complete success for many years.

### How to Begin.

"But how can I begin journalism?" the girl who thinks she "would like to write," will say. There is a general idea that there is something mystic about the process, that it requires influence or secret rites. As a matter of fact, and a deplorable fact, journalism is the easiest profession to enter in the world. I know a woman who got a reporting position on a London newspaper because she could smoke a stronger cigar than the news editor—but she has long been survived on the same staff by women who got there through training on country papers or by steady good conduct as outside contributors. For the girl who has just left school, apprenticeship is a sound idea, for even the most brilliant of ex-schoolgirls cannot have the general knowledge or experience of life which is necessary before she can be reliable for serious work on a London newspaper.

"Another way," as Mrs. Beeton has it, is to take a journalistic course at a university.

One thing I feel I cannot say too emphatically, and that is that there is no prejudice against the work of the unknown. The struggling beginner is inclined to imagine that editors have an instinctive loathing for manuscripts and a haughty contempt for the beginner, and that the successful women must be those who have personal introductions or long eyelashes. It is not so. All editors are thirst for novelties.

Journalism is an excellent profession for women. It is, more than almost any other, a continued education, and it takes one into life rather than away from it.

## Foreign Stations.

**L'ECOLE SUPERIEURE (PARIS), 450 metres.**  
Tuesdays and Thursdays, 6.45 p.m. to 9 p.m.—Concert.

Saturdays, 1.30 p.m. to 6.30 p.m.—Lectures and Concert.

Daily, at 10.0 a.m., 4.5 p.m. and 8.15 p.m.—News and Concert. G.M.T.

**THE HAGUE, PCGG, 1,085 metres.**

Sundays, 3 p.m. to 6 p.m.—Concert.

Mondays, 9 p.m. to 10 p.m.—Concert.

Thursdays, 8.30 p.m. to 10.30 p.m.—Concert. G.M.T.

**RADIOLA (Paris), 1,780 metres.**

Daily, 11.45 a.m. to 2.45 p.m.—Concert and News. 4.5 p.m. to 5.15 p.m.—Concert. 7.45 p.m. to 9.30 p.m.—Concert. Also Concert from 1 p.m. to 2 p.m. on Sundays. G.M.T.

**EIFFEL TOWER, FL, 2,600 metres.**  
6.40 a.m. and 11.15 p.m.—Weather Forecast.

2.30 p.m.—Stock Exchange News. 5.10 p.m. to 5.55 p.m.—Concert. 10.10 p.m.—Weather Forecast. G.M.T.

### COPIES OF NUMBER ONE.

Readers of "The Radio Times" who were unable to obtain a copy of No. 1 can now be supplied on sending Three Penny Postage Stamp to the Publisher, Geo. Newnes, Ltd., 8-11, Southampton Street, Strand, London, W.C.2.

### PUBLISHERS' NOTE.

RATES OF SUBSCRIPTION to "The Radio Times" (including postage to any part of the world): SIX MONTHS, 6s. 6d.; TWELVE MONTHS, 12s. 6d.



STAND BY FOR  
NEW INVENTION  
CALLING!!!

**BOYLE'S**  
Patent Water  
Heater Provides  
INSTANT  
HOT WATER  
FOR BATH  
OR KITCHEN.

WITH OR WITHOUT GAS.

It is portable, and easily transferred from Kitchen to Bathroom.

Connected to your own sink or bath tap by means of rubber tube and union, it stands on gas ring or Primus Stove and gives IMMEDIATE and CONTINUOUS flow of HOT WATER.

It provides an excellent hot bath in fifteen to twenty minutes, costing a halfpenny for gas.

PERFECTLY SAFE AND GUARANTEED NOT TO GET OUT OF ORDER.

No fumes. No Rue.

From 45/- to 63/-.

**C. BOYLE & Co., Patentees & Manufacturers,**  
10, GREAT NEWPORT STREET  
(adjoining Leicester Square Station).

Call and see them working.

FOR SECURING YOUR AERIALS  
and a Thousand Purposes where Great Strength  
and Strain is needed.

### Flexible Steel Wire Rope.

Size.	Weight.	Strength.	For 100 ft.
1/8"	1.10 lb.	1,000 lbs.	8/-
1/4"	2.20 lb.	2,000 lbs.	10/-
3/8"	3.30 lb.	3,000 lbs.	12/-
1/2"	4.40 lb.	4,000 lbs.	14/-
5/8"	5.50 lb.	5,000 lbs.	16/-
3/4"	6.60 lb.	6,000 lbs.	18/-
7/8"	7.70 lb.	7,000 lbs.	20/-
1"	8.80 lb.	8,000 lbs.	22/-
1 1/8"	9.90 lb.	9,000 lbs.	24/-
1 1/4"	11.00 lb.	10,000 lbs.	26/-
1 3/8"	12.10 lb.	11,000 lbs.	28/-
1 1/2"	13.20 lb.	12,000 lbs.	30/-
1 3/4"	14.30 lb.	13,000 lbs.	32/-
1 7/8"	15.40 lb.	14,000 lbs.	34/-
2"	16.50 lb.	15,000 lbs.	36/-

Strainers for use with above, right and left-hand threads.  
3d. each, or 1/6 per doz.

**SMITH & ELLIS (Dept. 14).**  
11, Little Britain, Aldersgate Street, E.C.1.



### SAFETY FIRST!

Protect your Wireless Set with  
**ROBINS'**

Combination Lightning  
Arrester and Leading-in  
Tube

Provisionally protected  
No Wireless Set or Listener is  
safe from lightning without it.

PRICE 3/6

Postage 3d. extra

To be had from any Wireless Dealer  
or direct from the Patentees and  
Manufacturers.

Telephone 578.

**ROBINS ELECTRICAL & WIRELESS  
DEPOT & INSTITUTE, LTD.**

Manufacturers of all kinds of Wireless Instruments and Equipment.  
**CARDIFF.**

Read the Special

# WIRELESS

article by

## Arthur Burrows

and try for the  
small fortune in

# CASH PRIZES

every week in

# TIT-BITS

—On Sale Everywhere—



# GECOPHONE

## Important Announcement

We are exhibiting  
at the N.A.R.M.  
Exhibition at  
the White City,  
Nov. 8th to 21st.



### Substantial Reductions in Price

The invaluable experience gained by the G.E.C. during the past year in meeting the unprecedented demand for GECOPHONE Sets has resulted in reduced manufacturing costs, and this, combined with the lower B.B.C. tariffs, has enabled the following substantial reductions in prices to be made as and from October 1st, 1923.

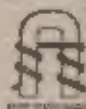
	OLD PRICE	NEW PRICE	B.B.C. Tariff
No. 1 GECOPHONE Crystal Set	£5 10 0	£4 10 0	1/-
No. 2 " " "	9 15 0	7 10 0	1/-
2-Valve " Set	25 0 0	20 0 0	17/6
Single Stage Amplifier	7 0 0	5 10 6	5/-
Two Stage Amplifier	15 10 0	11 10 6	10/-

The same superlative quality that has characterised the manufacture of GECOPHONES since their inception will in every way be maintained.

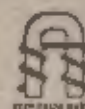
**OBTAINABLE FROM ALL WIRELESS DEALERS**

*Manufacturers (Wholesale only):*

**The GENERAL ELECTRIC Co., Ltd.**  
MAGNET HOUSE, KINGSWAY, LONDON, W.C.2



Branches in all principal towns  
throughout Great Britain and in  
all important markets of the  
world.



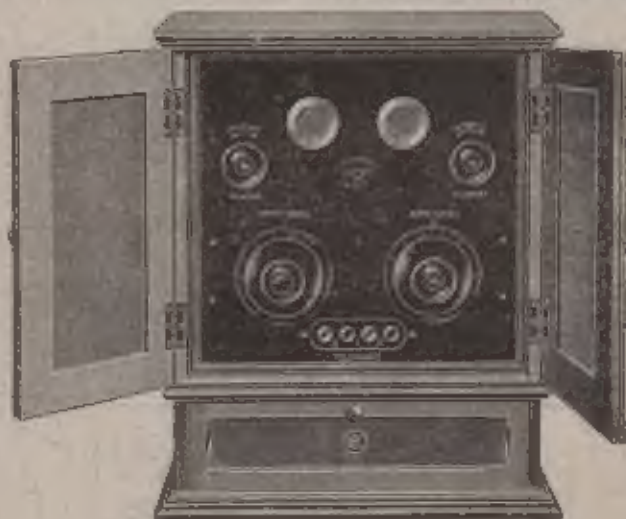
**BUY BRITISH GOODS ONLY**



# STERLING

## TWO-VALVE LONG RANGE RECEIVING SET

With Anode Tuning and Reaction.



No. R 1,588.

WHOLLY BRITISH  
MANUFACTURE

Highest Grade Instrument with Variometer Aerial Tuning, H.F. and Detector Valves, and fitted with Metal Panel to prevent Hand Capacity Effects.

A range of 100 miles is claimed for this Set, but we have evidence that this can be easily doubled, and under favourable conditions all British Broadcasting can be received. Good reception is also possible in localities usually termed "blind spots."

In highly finished walnut cabinet, complete with two "D.E.R." valves, one pair No. R123B "Sterling" super quality Head Telephones (2,000 ohms), one No. R1902 H.T. Battery in base, and all connecting leads, plugs and sockets.

PRICE - - £22.

E.B.C. Tariff ... .. 17/6 extra net.

No. R1908 L.T. Accumulator, 2 volts, 40 amp. hours (actual) ... £1 6 0

Obtainable from all Electrical Dealers and Stores.

STERLING TELEPHONE & ELECTRIC CO., LTD.,

Manufacturers of Telephones and Radio Apparatus, etc.

(WHOLESALE ONLY)

Telephone House, 210-212, TOTTENHAM COURT ROAD, LONDON, W.1.

Telephone Museum 4144 (7 lines).

Telegrams: "Circuits, Wreath, London."

BIRMINGHAM:  
150, Edmund Street.

CARDIFF:  
10, Park Place.

MANCHESTER:  
14, St. Peter's Square.

NEWCASTLE-ON-TYNE:  
21, Mosley Street.

WORKS:  
Dagenham, Essex.

## Buy British Guaranteed Wireless Apparatus.

AS a result of the New Post Office Regulations, we have been able to amend the prices of our Broadcast Receivers as below:-

No. 578. Ethophone Junior, Crystal Receiver	£3 0 0
Extra Broadcast Tariff	£0 1 0
No. 501. Ethophone No. 1, Crystal Receiver	£3 0 0
Extra Broadcast Tariff	£0 1 0
No. 510. Ethophone Popular Model, complete with self-contained H.T. Battery	£13 10 0
Extra Broadcast Tariff	£0 17 6
No. 519. 57A. As No. 510, complete with Valves, Battery, Accumulator, Telephones and Aerial Equipment	£18 10 0
Extra Broadcast Tariff	£0 17 6
No. 525. Ethophone Speech Amplifier, complete with two special Valves and self-contained 125-volt Battery	£20 0 0
Extra Broadcast Tariff	£0 10 0
No. 506. Ethophone IV, inclusive of 3 M.O. Valves and High Voltage Battery	£20 0 0
Extra Broadcast Tariff	£1 2 6
No. 507. Ethophone V, inclusive of 4 M.O. Valves and High Voltage Battery	£25 0 0
Extra Broadcast Tariff	£1 7 6
No. 520. Ethophone Power Amplifier, inclusive of 2 L.S.T. Valves and 110-volt High Tension Battery	£27 0 0
Extra Broadcast Tariff	£0 10 0

BURNDEPT LTD. Head Office: Aldine House, Bedford St., Strand, W.C.2.

Phone: Gerard 7794. Also at Leeds, Cardiff and Newcastle.

# BURNDEPT

WIRELESS APPARATUS

## Ethophone Broadcast Receivers



BURNDEPT Wireless Apparatus is  
wholly BRITISH made from BRITISH  
materials by BRITISH Craftsmen.

At various times announcements have been published, telling of remarkable long-distance receptions on Burndept Ethophone Receivers. American Broadcast reception is quite common; but we will not guarantee it. Locality plays such an important part. Continental Broadcast is practically a certainty. All Burndept Ethophone Valve receivers are guaranteed to receive Broadcast in any part of the country. A printed guarantee is attached to all Burndept Sets.